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6 WHO IS SELLING YOUR DATA: A CRITICAL EXAMINATION OF THE

7 ROLE OF DATA BROKERS IN THE DIGITAL ECONOMY

8 Wednesday, April 19, 2023

9 House of Representatives,

10 Subcommittee on Oversight and Investigations,

11 Committee on Energy and Commerce,

12 Washington, D.C.

13

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16 The subcommittee met, pursuant to call, at 2:00 p.m., in

17 Room 2322, Rayburn House Office Building, Hon. Morgan

18 Griffith [chairman of the subcommittee] presiding.

19

20 Present: Representatives Griffith, Burgess, Guthrie,

21 Duncan, Palmer, Lesko, Armstrong, Cammack, Rodgers (ex

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22 officio); Castor, DeGette, Schakowsky, Tonko, Ruiz, Peters,
23 and Pallone (ex officio).

24

25 Also present: Representative Trahan.

26

27 Staff Present: Sean Brebbia, Chief Counsel; Deep
28 Buddhharaju, Senior Counsel; Sarah Burke, Deputy Staff
29 Director; Lauren Eriksen, Clerk; Tara Hupman, Chief Counsel;
30 Sean Kelly, Press Secretary; Peter Kielty, General Counsel;
31 Emily King, Member Services Director; Chris Krepich, Press
32 Secretary; John Strom, Counsel; Michael Taggart, Policy
33 Director; Joanne Thomas, Counsel; Austin Flack, Minority
34 Junior Professional Staff Member; Waverly Gordon, Minority
35 Deputy Staff Director and General Counsel; Tiffany Guarascio,
36 Minority Staff Director; Lisa Hone, Minority Chief Counsel,
37 Innovation, Data, and Commerce; Liz Johns, Minority GAO
38 Detailee; Will McAuliffe, Minority Chief Counsel, Oversight
39 and Investigations; Christina Parisi, Minority Professional
40 Staff Member; Harry Samuels, Minority Oversight Counsel;
41 Caroline Wood, Minority Research Analyst; and C.J. Young,
42 Minority Deputy Communications Director.

43

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44 *Mr. Griffith. The Subcommittee on Oversight and
45 Investigations will now come to order.

46 The chair now recognizes himself -- that would be me --
47 for five minutes for an opening statement.

48 Welcome, everyone, to what I hope will be a productive
49 fact-finding hearing on the current state of the data broker
50 ecosystem.

51 It is obvious from the testimony that a staggering
52 amount of information is collected on Americans every day,
53 frequently without their knowledge or consent. This data
54 then gets shared, analyzed, combined with other data sets,
55 bought, and sold. In some cases, this data is not even
56 anonymized, meaning that it is easy for bad actors to find
57 deeply personal information on individuals such as their
58 location, demographic data, health information. Some of
59 these data brokers are companies that most people are
60 familiar with, but others operate in the shadows, with many
61 Americans never knowing that they have collected -- that
62 their data has been collected, bought, or sold.

63 The Federal Trade Commission recently fined an online
64 mental health company, BetterHelp, 7.8 million for disclosing

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65 patients' personal health information to advertising
66 platforms such as Facebook and Google without the users'
67 consent.

68 Siphoning off private data of Americans on mobile apps
69 is so incredibly easy. All a data broker has to do is pay an
70 app developer a nominal fee to implant a program within the
71 app that is designed to capture the data of all users.
72 Companies rely on these convoluted and unclear terms of
73 service and privacy policy documents, knowing full well users
74 will find it far too tedious to read them before unwittingly
75 agreeing to have their sensitive data accessed by third-party
76 strangers.

77 There is a complete lack of safeguards surrounding this
78 data, and I am particularly concerned with the implications
79 that has on the sick, the elderly, the youth, and the
80 military. Recent research from Duke University has found
81 data brokers without any accountability can freely collect
82 and share Americans' private mental health data.

83 We have all heard about the national security concerns
84 raised about the Chinese Communist Party-influenced
85 ByteDance, the parent company of TikTok video app, operating

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86 in our country and collecting data on Americans, while also
87 having the ability to potentially manipulate American public
88 opinion on any given subject matter.

89 While the current state of play is -- the current state
90 of play in the data broker industry presents some of these
91 same concerns, according to what we will hear today from
92 these, our invited experts, data brokers gather package and
93 advertise highly sensitive data on current and former members
94 of the U.S. military, posing privacy and safety risks to all
95 service members. This, in and of itself, could be considered
96 a security risk if the data collected is identifiable. By
97 collecting and selling data at will, these companies put all
98 Americans at risk.

99 I look forward to learning from our witnesses today more
100 about how data brokers are collecting, packaging, and
101 analyzing data on Americans, and possible safeguards that we
102 should explore.

103 [The prepared statement of Mr. Griffith follows:]

104

105 *****COMMITTEE INSERT*****

106

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107 *Mr. Griffith. And with that I yield back, and now
108 recognize the ranking member of the subcommittee, Ms. Castor,
109 for her opening statement.

110 *Ms. Castor. Well, thank you, Mr. Chairman, for calling
111 this hearing. Thank you to our expert witnesses for being
112 with us today to share your insight on the excesses of the
113 data broker industry. I am grateful that we can take on
114 these issues in a true bipartisan fashion.

115 These incessant surveillance and data gathering for
116 profit by data brokers affects every American. Data brokers
117 are often invisible to consumers. They rarely interact
118 directly with us, but they are constantly collecting our
119 personal private information, including names, geolocation
120 data, addresses, health data, age, political preferences, and
121 much more. And they collect it no matter how private and
122 sensitive that data may be.

123 I believe each and every American should determine what
124 personal information to share with a corporation, and then
125 not be held over a barrel if they choose not to do so,
126 especially with the track record now of data breaches and
127 scammers and scalpers and advertisers. These privacy abuses

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128 are leading to mental, physical, and financial harm, and the
129 harms are well documented and in fact, some of the most
130 vulnerable among us, including the elderly, veterans, and
131 people of color.

132 But there are few things more concerning to me than the
133 ways Big Tech, including data brokers, have proliferated the
134 surveillance and targeting of our kids. Take Recolor.
135 Recolor is an online coloring book operated by KuuHubb.
136 Recolor provides images that consumers can color in on their
137 mobile devices, including kid-friendly images like animated
138 characters and cartoons.

139 In 2021, KuuHubb was found to have collected and
140 disclosed personal information about children to third
141 parties, including advertisers, without their parents'
142 consent. Like so many others, this company enticed children
143 onto their platforms only to monetize their data for the
144 company's own commercial benefits.

145 Furthermore, in 2021 a data broker called OpenX was
146 fined \$2 million after collecting personal information about
147 children under 13, opening the door to massive privacy
148 violations and predatory advertising. We know that Big Tech

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149 has enabled advertisers to target children for a whole range
150 of damaging products, ranging from tobacco and e-cigarettes
151 to low-calorie diets that can create and exacerbate body
152 image anxieties. Data broker profiteering is excessive, and
153 it is this shameful collection, monetization, and selling of
154 data on our kids that gets me so animated.

155 The U.S. now -- we have fallen too far behind in
156 prioritizing the protection of all people online, but
157 especially young people. Because we do not have a national
158 data privacy standard, we are currently stuck with this
159 patchwork of state laws and narrow protections that leave a
160 wide swath of our neighbors vulnerable to privacy abuses,
161 including by data brokers.

162 Fortunately, there is much that Congress can do. This
163 week I plan to reintroduce my landmark Kids Privacy Act to
164 keep children safe online and curb the power of companies to
165 indiscriminately track and target children.

166 I also strongly support the bipartisan American Data
167 Privacy and Protection Act, which would bring much-needed
168 transparency to the brokerage industry, and minimize the data
169 available for them to collect.

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170 As ranking member of this subcommittee, I am committed
171 to holding accountable data brokers that infringe on our
172 rights. This is especially true for those who seek to profit
173 from our kids over their best interests and the concerns of
174 their parents. So I am glad we are doing this critical work
175 on a bipartisan basis, and I look forward to hearing from the
176 panel today.

177 [The prepared statement of Ms. Castor follows:]

178

179 *****COMMITTEE INSERT*****

180

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181 *Ms. Castor. And with that, I yield back.

182 *Mr. Griffith. I thank the gentlelady. Now I recognize
183 the chair of the full committee, Mrs. McMorris Rodgers, for
184 her five minutes for an opening statement.

185 *The Chair. Thank you, Chair Griffith, for convening
186 this hearing about the role data brokers play in the digital
187 economy, and thank you to our panel of witnesses here this
188 this afternoon.

189 This is our fifth in our series of hearings this
190 Congress across the Committee for strong data privacy and
191 security protections for all Americans. Today we seek to
192 expose and learn more about how pervasive and invasive the
193 collection and selling of people's data has become.

194 Data brokers are harvesting people's data, selling or
195 sharing it without their knowledge, and failing to keep it
196 secure. A stunning amount of information and data is being
197 collected on Americans: their physical health, mental
198 health, their location, what they are buying, what they are
199 eating. With more Americans than ever using apps and digital
200 services, this problem is only getting worse. People have no
201 say over whether or where their personal data is sold and

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202 shared. They have no guaranteed way to access, delete, or
203 correct their data, and they have no ability to stop the
204 unchecked collection of their sensitive personal information.

205 We must continue our work for a national data privacy
206 standard so that individuals can exercise their rights,
207 businesses can continue to innovate, and government's role is
208 clearly defined.

209 Today we explore ways that we have become just dollar
210 signs for data brokers and Big Tech. We need a national data
211 privacy standard that changes the status quo and ensures
212 Americans regain control of their personal information.
213 Right now there are no robust protections, and current
214 privacy laws are inadequate, leaving Americans vulnerable.
215 For example, during government-enforced COVID-19 lockdowns,
216 GPS and mobile phone data collected by a data broker was used
217 by the state to spy on Californians exercising their right to
218 attend church services. It certainly raises questions of how
219 data brokers aren't just violating people's privacy, but
220 their civil liberties, as well. This is unacceptable, and it
221 is more what you would expect out of the Chinese Communist
222 Party's surveillance state, not in America.

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223 Data brokers' days of surveilling in the dark should be
224 over. People should trust their data is being protected. We
225 are at an inflection point to ensure our personal information
226 is responsibly collected, especially since this data may be
227 used to train or develop artificial intelligence that may or
228 may not align with our values. We need to ensure that the
229 metaverse doesn't become the next frontier for exploiting our
230 kids. That requires a broad, comprehensive bill that will
231 address all Americans' data, and put even stronger guardrails
232 around our kids' information.

233 That is why the American Data Privacy and Protection Act
234 included the strongest Internet protections for children of
235 any legislation last Congress. And privacy protections
236 should not stop with kids. We need a Federal privacy law
237 that gives everyone data protections, no matter where they
238 live and no matter their age. We will continue to build on
239 our work from ADPPA this Congress, and get the -- these
240 strong protections for kids and all Americans signed into
241 law.

242 Thank you, Ranking Member Pallone and my colleagues
243 across the aisle for continuing to work with us on this. I

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244 look forward to today's hearing as we continue to explore how
245 data collectors and brokers are manipulating our lives and
246 our security.

247 [The prepared statement of The Chair follows:]

248

249 *****COMMITTEE INSERT*****

250

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251 *The Chair. Thank you. I yield back.

252 *Mr. Griffith. Thank you, Madam Chair. I now recognize
253 Mr. Pallone, the ranking member of the full committee, for
254 his five minutes of an opening statement.

255 *Mr. Pallone. Thank you, Chairman Griffith and Ranking
256 Member Castor.

257 This is an important hearing, as the committee continues
258 its bipartisan work to protect people's privacy online by
259 addressing privacy abuses in the unregulated technology
260 sector.

261 Today we are examining data brokers. Most Americans
262 don't even know what a data broker is, but they would likely
263 be shocked at just how much personal information these
264 brokers have compiled on each and every one of them.

265 Data brokers are companies that collect and market
266 troves of personal information about American consumers. The
267 data broker industry exists on collecting more and more data,
268 and selling it to nearly any willing purchaser. In 2014 the
269 FTC reported that data brokers collect and store information
270 covering almost every U.S. household and commercial
271 transaction.

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272 One broker possessed information on 1.4 billion consumer
273 transactions; another data broker's database covered \$1
274 trillion in consumer spending; a third had 3,000 separate
275 pieces of data for nearly every consumer in the entire
276 country. This is more than \$200 -- this is more than a \$200
277 billion industry that continues to rake in massive profits
278 year after year on the backs of consumers. And as you can
279 imagine, this has resulted in serious abuses and
280 infringements of Americans' privacy.

281 And there is a reason most Americans have never heard of
282 data brokers, because the industry operates in the shadows of
283 the technology industry, with virtually no transparency as it
284 profits from the mass collection of our personal information.
285 And what makes data brokerage particularly problematic is
286 that, unlike platforms like Facebook and Twitter, data
287 brokers rarely interact with consumers at all. Consumers do
288 not provide data directly to brokers, and that is why most
289 consumers have no idea that these brokers exist or what
290 information these brokers have about them. That is extremely
291 troubling, considering that these brokers collect highly-
292 sensitive personal data like health information and precise

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293 geolocation data that identifies a consumer's location within
294 18 feet.

295 Now, how exactly do brokers get this information? Well,
296 we know that they scour the Internet for data on consumers'
297 bankruptcy records, property records, criminal records,
298 headers from credit reports, web browsing activities, and
299 other details of consumers' everyday interactions. The data
300 brokers also use hidden tools like software development kits
301 and tracking pixels embedded in consumer cell phones and in
302 the websites we visit to monitor online behavior.

303 But that is not all. Based on this raw data, these
304 companies also make inferences about consumers, lumping them
305 into a number of categories based on where they live, their
306 ethnicity, their income, or even by projected health care
307 spending. And with this data, companies can target children
308 with manipulative advertisements, or create people-search
309 products that can lead to stalking, harassment, and violence.

310 Data brokers also sell information to scammers,
311 including those that target the elderly with bogus
312 sweepstakes and technical repair scams, and that market sham
313 businesses, educational or investment opportunities to

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314 veterans.

315 And it is no wonder the American people don't think they
316 have any control over their online data today. While there
317 are some limited protections for children's health and credit
318 data, these laws have left us with a patchwork of protections
319 that leave large swaths of our private information available
320 for Big Tech's profiteering.

321 So thankfully, this committee has taken the lead to rein
322 in these invasive practices, and to give people back control
323 of their information.

324 First we need to pass a national comprehensive privacy
325 bill. I think we all agree on that. This would create a
326 national data privacy standard and stop unrestrained
327 collection of personal information on consumers by both Big
328 Tech and data brokers.

329 And our legislation also finally shines light on the
330 shadow world of data brokers by requiring them to register
331 with the FTC. This will provide consumers with a single
332 mechanism to direct all data brokers to delete the personal
333 information they have already collected, and to opt out of
334 further data collection by all registered brokers.

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335 So second, we have to make sure that the FTC continues
336 to receive the funding necessary to carry out its work and
337 has its Federal court authority restored and improved. And
338 these important steps would both provide transparency into
339 this industry and restrain the collection of unnecessary
340 data.

341 So I look forward to hearing from the experts today.
342 But, you know, I did want to say, if I could, that when I
343 mentioned some of these scams -- you know, I think I
344 mentioned targeting the elderly with bogus sweepstakes,
345 technical repair scams, market sham, educational investment,
346 opportunities for veterans. -- I am just not mentioning these
347 in a general sense. A day does not go by without somebody
348 calling my district office and talking about how they have
349 been scammed. So this is real. This is -- you know, this
350 this we hear in our district offices and from people on the
351 streets.

352 [The prepared statement of Mr. Pallone follows:]

353

354 *****COMMITTEE INSERT*****

355

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356 *Mr. Griffith. So thank you, Mr. Chairman. I yield
357 back.

358 *Mr. Griffith. The gentleman yields back. That
359 concludes the members' opening statements.

360 The chair would like to remind members that, pursuant to
361 committee rules, all members' written in written opening
362 statements will be made part of the record. And please make
363 sure you provide those to the clerk promptly.

364 I want to thank our witnesses for being here today and
365 taking the time to testify before the subcommittee. You will
366 have the opportunity to give an opening statement, followed
367 by a round of questions from members.

368 Our witnesses today are Professor Laura Moy, faculty
369 director, Center on Privacy and Technology at Georgetown Law
370 Center; Marshall Erwin, vice president and chief security
371 officer of Mozilla; and Justin Sherman, senior fellow and
372 research lead for data brokerage project at Duke University
373 Sanford School of Public Policy. Thank you all very much for
374 being here, and we do appreciate it greatly, because this is
375 how we learn, and how we can then work together to make good
376 legislation.

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399 TESTIMONY OF LAURA MOY, ASSOCIATE PROFESSOR OF LAW AND
400 FACULTY DIRECTOR, CENTER ON PRIVACY AND TECHNOLOGY, ON
401 BEHALF OF GEORGETOWN LAW CENTER; MARSHALL ERWIN, VICE
402 PRESIDENT AND CHIEF SECURITY OFFICER, MOZILLA; AND JUSTIN
403 SHERMAN, SENIOR FELLOW AND RESEARCH LEAD, ON BEHALF OF DUKE
404 UNIVERSITY, SANFORD SCHOOL OF PUBLIC POLICY

405

406 TESTIMONY OF LAURA MOY

407

408 *Ms. Moy. Thank you so much. Good afternoon to both
409 the chairs and ranking members of both the subcommittee and
410 the full committee. I am really grateful for the opportunity
411 to testify today on this important issue.

412 So in 2018, CNN published a story about a man named Kip
413 Koelsch who noticed that his 84-year-old father was receiving
414 mountains of scam email every week. And then his dad called
415 to tell him that he had won a Mercedes and \$1 million. And
416 it turns out that for years his dad had been spending money,
417 thousands of dollars, on supposed fees for prizes that he had
418 been scammed into thinking he had won.

419 Now, Mr. Koelsch's problems -- or his father's problems

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420 -- probably originated with data brokers. He probably ended
421 up on what is known as a suckers list. After a person falls
422 for a scam once, they may end up on other suckers lists,
423 categorized by areas of vulnerability such as sweepstakes
424 lovers. And this is not an isolated incident. The Justice
425 Department actually recently brought cases against multiple
426 data brokers, alleging that over the course of several years
427 they had refined and sold lists of millions of elderly and
428 otherwise vulnerable individuals to scammers. In one
429 instance, the company was aware that some of its clients were
430 even defrauding Alzheimer's patients, and yet continued to
431 let it happen.

432 So I hope this story has your attention as we talk about
433 data brokers today and think about what is at stake. There
434 is three points that I would like to highlight.

435 So first, data brokers hold tremendously detailed
436 information about all of us. In the story about Mr. Koelsch,
437 data brokers were maintaining lists of people who might be
438 vulnerable to scams, but data brokers also deal in other more
439 revealing types of information: health information; visits
440 to doctors; children's information; purchase history,

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441 including of specific items; and information scraped from
442 social media; even information that users have deleted.

443 Some data brokers also deal in detailed location data.
444 A few years ago a team of journalists reviewed a data set
445 containing locations from more than a million phones in the
446 New York area, presumably information shared by apps that
447 were installed on those phones, and they were able to use
448 that location information to identify specific people. And
449 they also explained how they could use that information to
450 learn intimate details about those people's private lives,
451 like where they worked, and where they lived, where they
452 worshiped, and when they spent the night at another person's
453 home.

454 Second, Congress has to act to protect us from data
455 brokers because we individuals cannot do it ourselves. We
456 are all aware that we are constantly generating digital
457 information about ourselves as we go about our daily lives.
458 Eighty-one percent of adults now say they have little or no
459 control over the data collected about them by companies, and
460 that number doesn't indicate acceptance or resignation. On
461 the contrary, 79 percent of adults say that they are somewhat

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462 or very concerned about how companies are using that data.
463 That is why it is so important that Congress scrutinize this
464 important issue, as the subcommittee is doing today.

465 And third, the booming data broker industry does real
466 harm to real people. I have already talked about mass scams
467 like the type that affected the Koelsch family. But let me
468 touch on a few more examples. So in addition to fueling
469 scammers, data brokers also expose private information to
470 stalkers and abusers, to marketers of predatory products such
471 as high-interest payday loans, and to malicious attackers who
472 breach and mine data brokers' databases for nefarious
473 purposes, including to sell to foreign entities or over the
474 dark web to sophisticated fraudsters.

475 In addition, law enforcement agencies sometimes turn to
476 data brokers to make an end run around the Fourth Amendment,
477 one of our most fundamental civil liberties, purchasing
478 information that they wouldn't be able to get through lawful
479 order. So a few years ago it was revealed that the IRS had
480 purchased access to large amounts of location data to fuel
481 some of its investigations. And last fall researchers found
482 that one broker that claims to have location data for over

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483 250 million devices was selling to nearly two dozen agencies.

484 Also, data brokers might be contributing to locking
485 people out of important job and housing opportunities due to
486 historical data that is inaccurate or skewed by
487 discrimination. For a variety of important eligibility
488 determinations, including for housing and employment,
489 decision-makers sometimes rely on scores provided by data
490 brokers, often times without even knowing exactly what
491 information is behind those scores.

492 And finally, data brokers put minors at risk when they
493 deal in information about families and children. A few years
494 ago researchers reported that one broker of student data was
495 offering information about kids as young as two years old.
496 And in 2021 it was revealed -- and I know this was mentioned,
497 as well, in the opening statements -- it was revealed that a
498 family safety app was selling kids and their families'
499 locations to approximately a dozen different data brokers.

500 So these are just a few of the harms that I would
501 highlight, but I look forward to your questions. Thank you.

502 [The prepared statement of Ms. Moy follows:]

503

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504 *****COMMITTEE INSERT*****

505

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506 *Mr. Griffith. I thank you very much, and now recognize
507 Mr. Erwin for his five minutes of opening statement.
508

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509 TESTIMONY OF MARSHALL ERWIN

510

511 *Mr. Erwin. Chair Rodgers, Ranking Member Pallone,
512 Chair Griffith, and Ranking Member Castor, thank you for
513 holding this hearing today on such an important topic.

514 My name is Marshall Erwin. I am the vice president and
515 chief security Officer at Mozilla.

516 Mozilla is a unique public benefit organization and open
517 source community owned by a non-profit foundation. We are
518 best known for the open source Firefox browser, which is used
519 by hundreds of millions of people around the world. Privacy
520 is an integral part of our founding principles, which state
521 that individuals' privacy and security online must not be
522 treated as optional.

523 The Internet today is powered by consumer data. While
524 that data has brought remarkable innovation, it has also put
525 consumers at direct risk. Many of the harms we see on the
526 Internet today are in part a result of pervasive data
527 collection and the underlying privacy threat. The targeting
528 and personalization systems in use today can be abused,
529 resulting in real-world harm to individuals and communities.

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530 These targeting and recommendation systems are powered by
531 data, data that is often sold or shared by parties that
532 shouldn't have that data in the first place.

533 Now, at Mozilla we believe the Internet can do better.
534 A huge amount of the work that we do focuses on building
535 protections into the browser itself to prevent data
536 collection in the first place. And if we are able to prevent
537 that data collection, it never gets to the actual data
538 broker. So we specifically work to protect consumers'
539 browsing activity. This is the data that you create as you
540 navigate from website to website. It can be incredibly
541 sensitive, provide a really detailed portrait of your online
542 life, which is why we work quite hard to protect it.

543 So we work, for example, to block what we call
544 cross-site tracking. Or sometimes you will hear this
545 referred to as cookie-based tracking. In 2019 we enabled
546 something called enhanced tracking protection that blocks
547 this in the Firefox browser. We turn that on by default,
548 because we believe consumers cannot be expected to protect
549 themselves from threats that they don't even understand or
550 see.

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551 Now, despite this progress, huge privacy gaps still
552 exist. We know from our experience in Firefox that we can't
553 solve every privacy problem with a technical fix. Dark
554 patterns, for example, are pervasive across the software
555 people use. Consumers are being tricked into handing over
556 their data with deceptive design patterns, and that data is
557 then used to manipulate them.

558 Once a consumer has been tricked into handing over their
559 data, that is where the data broker comes in. And while
560 browsers have some visibility into online tracking, we lose
561 that visibility entirely once the data lands on a company's
562 servers in a shared on what we sometimes call the back end.
563 Companies may then share or sell that data for eventual use
564 by other parties. This type of back-end data transfer is
565 something that browsers and consumers cannot see. And
566 because it is -- because of this limited visibility, it is
567 nearly impossible to fully understand the extent of this data
568 selling and sharing.

569 As a browser -- as browsers move to clamp down on the
570 leading forms of online tracking, parties are increasingly
571 using other forms of tracking and back-end data sharing and

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572 selling. For example, we are concerned about the growing use
573 of identity-based tracking. Often when you visit a website,
574 you are encouraged to create an account and hand over your
575 email address when you create that account. What many
576 consumers do not realize is that their email address may then
577 be handed over to other parties, including data brokers, that
578 may then use that to build a profile of their browsing
579 activity.

580 Lack of privacy online today is a systemic problem. We
581 therefore believe that law and regulation have an essential
582 role to play in the passage of strong Federal privacy
583 legislation is critical. We supported the American Data
584 Privacy and Protection Act in the last Congress, and are
585 eager to see it advance in this Congress.

586 ADPPA defines sensitive data to include information
587 identifying an individual's activity over time and across
588 third-party websites and online services. This is incredibly
589 important. Regulatory regimes need to move beyond narrow
590 categories of what is traditionally referred to as PII.
591 Browsing data must be protected both by the platforms that
592 people use, like Firefox, and also by the regulatory regimes

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593 intended to protect privacy.

594 I will close by noting this is actually the 25th
595 anniversary of Mozilla's founding. So we have been working
596 to protect our consumers for 25 years. We established the
597 first bug bounty program almost 25 years ago, the first
598 company to encrypt our users' web traffic.

599 Unfortunately, the privacy regulation has not kept up
600 with this progress, and it is time for federal privacy --
601 federal policy to step in and protect consumers.

602 Despite being a powerhouse of technology innovation for
603 years, the United States is behind globally when it comes to
604 recognizing consumer privacy, and protecting people from
605 indiscriminate data collection, use, sharing, and selling.

606 We appreciate the committee's focus on this vital issue,
607 and look forward to continuing our work with policymakers to
608 achieve meaningful privacy reforms. Thank you.

609 [The prepared statement of Mr. Erwin follows:]

610

611 *****COMMITTEE INSERT*****

612

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613 *Mr. Griffith. I thank the gentleman. I recognize Mr.
614 Sherman for his five-minute opening statement.
615

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616 TESTIMONY OF JUSTIN SHERMAN

617

618 *Mr. Sherman. Chair Griffith, Vice Chair Lesko, Ranking
619 Member Castor, and distinguished members of the subcommittee,
620 I appreciate the opportunity to testify about data brokers
621 and threats to Americans' civil rights, physical safety, and
622 national security.

623 I am a senior fellow at Duke University's Sanford School
624 of Public Policy, where I run our research project on the
625 data brokerage ecosystem, the virtually unregulated, multi-
626 billion dollar ecosystem of companies collecting,
627 aggregating, and selling data on Americans.

628 Data brokerage threatens Americans' civil rights,
629 consumers' privacy, and U.S. national security. While I
630 strongly support a comprehensive privacy law, Congress need
631 not wait to resolve this debate to regulate data brokerage.

632 Today I will make three points: Congress should first
633 strictly control the sale of data to foreign companies,
634 citizens, and governments; ban the sale of data completely in
635 some categories, such as with health and location data and
636 children's data, and strictly control the sale of data in

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637 other categories; and third, stop data brokers from
638 circumventing those controls by inferring data.

639 Our research at Duke University has found data brokers
640 advertising data on hundreds of millions of Americans,
641 including their demographic information, political beliefs,
642 home addresses, smartphone locations, and health and mental
643 health conditions, as well as data on first responders,
644 students, teenagers, elderly Americans, people with
645 Alzheimer's, government employees, and current and former
646 members of the U.S. military.

647 Data brokers can track and sell your race, religion,
648 gender, sexual orientation, income level, how you vote, what
649 you buy, what videos you watch, what prescriptions you take,
650 and where your kids and grandkids go to school. This harms
651 every American, especially the most vulnerable. And I will
652 give three examples.

653 Data brokers sell sensitive data on members of the U.S.
654 military. Criminals have bought this data and used it to
655 scam service members, including World War II veterans.
656 Foreign states could acquire this data to profile, track, and
657 target military personnel. The Chinese Government's 2015

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658 hack of the Office of Personnel Management was one of the
659 most devastating breaches the U.S. Government has ever
660 suffered. But there is no need for the Chinese Government or
661 any other foreign state to hack many databases when so much
662 data can be bought on the open market from data brokers.

663 In a forthcoming study, our team at Duke purchased
664 individually identified data on military service members from
665 data brokers with almost no vetting and as low as 12.5 cents
666 a service member. Data brokers known as People Search
667 Websites aggregate millions of Americans public records, and
668 post them for search and sale online. Abusive individuals
669 for decades have bought this data to hunt down and stalk,
670 harass, and even murder other people, predominantly women and
671 members of the LGBTQ-plus community. There is little in U.S.
672 law stopping data brokers from collecting and publishing and
673 selling data on survivors of gendered violence.

674 Government personnel are at risk, too. In 2020 a
675 violent individual bought data online about a New Jersey
676 Federal judge and her family. He then went to her home, shot
677 her husband, and shot and killed her 20-year-old son.

678 Data brokers also advertise data on Americans' health

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679 and mental health conditions. Companies can legally buy this
680 data from data brokers, and use it to target consumers such
681 as teens suffering from depression.

682 Data brokers have also knowingly sold data on elderly
683 Americans and people with Alzheimer's to criminal scammers
684 because they made money off the sale, who then stole millions
685 of dollars from those people. Foreign governments could even
686 use this data to target government personnel.

687 Our research has found that companies selling this data
688 conduct relatively little know-your-customer due diligence,
689 and often have very few controls, if any at all, over the use
690 of their data.

691 There are three steps Congress should take now.

692 First, strictly control the sale of Americans' data to
693 foreign companies, citizens, and governments, which currently
694 can entirely legally buy millions of U.S. citizens' data from
695 U.S. data brokers.

696 Second, ban the sale of data completely in sensitive
697 categories, such as with health data and location and address
698 data, which can be used to follow, stalk, and harm Americans.

699 Third, stop companies from circumventing those controls

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700 by inferring data, using algorithms and other techniques to
701 basically derive information that they haven't technically
702 collected.

703 Congress can and should act now to regulate data brokers
704 and their threats to civil rights, consumers' privacy,
705 personal safety, and national security. Thank you.

706 [The prepared statement of Mr. Sherman follows:]

707

708 *****COMMITTEE INSERT*****

709

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710 *Mr. Griffith. Thank you, and I appreciate your
711 testimony.

712 Seeing there are no further members wishing -- got too
713 far ahead in my script.

714 [Laughter.]

715 *Mr. Griffith. I now recognize myself to begin the
716 question-and-answer section. I recognize myself to start
717 that with five minutes of questioning.

718 Mr. Sherman, you got my attention.

719 [Laughter.]

720 *Mr. Griffith. Infer data. So what kind of information
721 would they infer -- if we block the others and they start to
722 infer data, what are we talking about there? Inferring that
723 I live in a particular town? Inferring that I live on a
724 particular street? And how do they do that?

725 *Mr. Sherman. Inference is one of the three main ways
726 that these companies get data. So it is a huge data source
727 for data brokers.

728 Inference might be something really basic. For example,
729 do you have a Christian prayer app on your phone, or a Muslim
730 prayer app on your phone? And that single data point can be

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731 used to understand something so sensitive as an American's
732 religion, something that they may never have inputted into a
733 form, all the way to more sophisticated things. If you have
734 location data, if you can follow people as they visit medical
735 facilities, divorce attorneys, you name it, you can also from
736 that derive information about them that they similarly have
737 never typed into a form, and have no expectation is out
738 there, but then that is put into these data sets for sale.

739 *Mr. Griffith. And do all the companies -- or are all
740 the companies out there doing that, and do some of them just
741 keep the data for themselves?

742 As an example, Sunday morning I am going to church,
743 boom, pops up, Google tells me how long it is going to take
744 me to get to church, because it is Sunday morning and I am
745 pulling out of the driveway. I haven't asked them to tell me
746 how long it is going to get to church, or what the directions
747 are, but it just offers it to me. Is that part of what we
748 are talking about, or is that considered acceptable?

749 *Mr. Sherman. I think that is what we are talking
750 about, right? What can you learn about people based off
751 location data?

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752 As you said, different kinds of companies collect that
753 for different reasons. A ride app might collect it because
754 they need to know where you are to send the car, versus a
755 data broker wants to collect that so they can profit off
756 selling it.

757 *Mr. Griffith. All right. And, you know, we have
758 talked about it. And for everybody watching, if I type in my
759 email address, if I am shopping for something or if I decide
760 to buy something -- and mostly that would not be me, but
761 other members of my family -- and I do it for -- put down the
762 address, the website, my email, put down my address so I can
763 get it shipped, what is the chain of custody to the data
764 broker and beyond? And where does my email address end up,
765 or even my street address?

766 *Mr. Sherman. This is another main source for data
767 brokers. There is a lot of what we will call first-party
768 collectors, right? The one that the consumer directly
769 interacts with -- as you said, an app or a website -- will
770 then turn around in some cases and sell that directly to a
771 data broker, or sometimes they will share it with
772 advertisers. And then that enters an equally opaque

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773 sometimes system where data brokers can get the information
774 from there.

775 *Mr. Griffith. All right. So how do we craft
776 legislation that protects that, but at the same time gives me
777 the opportunity to actually let somebody know my location?

778 For example, many of the members of the committee know I
779 am an avid bird watcher. So when I am out birding, I have
780 several different apps. And, you know, if I am in a
781 location, I want them to know where I saw that bird, so that
782 other people can go see the bird. I want them to share that
783 information.

784 How do we craft legislation that protects the privacy,
785 but allows me to say, okay, I spotted the particularly rare
786 bird or an unusual bird in Virginia at a certain location,
787 and I want other people to know that? How do we protect it,
788 but also allow it when I want to share my location?

789 *Mr. Sherman. As mentioned, I strongly support a
790 comprehensive privacy law. I think giving consumers more
791 control over what data is collected would help with that. So
792 would controls specifically targeted at the sale of data.

793 As mentioned, it is not just data brokers who sell this

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794 data. Sometimes the way they get it is a weather app or
795 other app selling location data without people knowing it.
796 And so that is also part of this system you mentioned, where
797 that then gets out there for sale.

798 *Mr. Griffith. And part of what I have always
799 envisioned -- and we will have to craft the legislation
800 appropriately -- is that, as opposed to the small print that
801 goes on for -- you know, I am scrolling down, down, down -- I
802 used to read those. I have gotten numb like so many others,
803 and I am just like, okay, I want to get this done. How can
804 we get a box that just says, okay, you can share or you can
805 never share, something simple that we can click on?

806 *Mr. Sherman. I think you just said it. It needs to be
807 simple.

808 You know, data brokers, among others, hide behind this
809 completely bad faith nonsense argument that people read
810 privacy policies. I don't read privacy policies for
811 everything I use, right? We don't have the time.

812 And so making that simple so someone can actually read
813 it and understand it is really, really essential.

814 *Mr. Griffith. All right. I appreciate that. My wife

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815 always used to make fun of me when I would read those privacy
816 notices, and I did it for years. But I have given up. I
817 appreciate your testimony and I yield back.

818 And now I recognize Ms. Castor, the ranking member, for
819 her five minutes of questions.

820 *Ms. Castor. Well, thank you. And thank you again to
821 our witnesses for your outstanding testimony.

822 So you have provided some very stark examples, Mr.
823 Sherman. Can you dive into the kids privacy for a minute,
824 and give us an example?

825 There is a minimal privacy law on the books. COPPA was
826 adopted in 1998. The world was entirely different then, but
827 they still collect vast amounts of data on kids and use it to
828 exploit them. Give us an example so we can focus on the
829 harm.

830 *Mr. Sherman. I would put these issues around
831 children's data and data brokers into two categories. So I
832 will give an example.

833 So our team, through our research ethics process, also
834 buys data from data brokers to understand the privacy risks.
835 We recently asked a data broker, "Could you sell us" because

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836 they said they had some data on children. They told us no.
837 They cited COPPA. But they said, "We could allow you to get
838 information on their parents.'" And so that is not covered.
839 That is something you could use to target a household,
840 knowing there is maybe a certain number of children in that
841 household, or children with a certain condition in that
842 household. So there is that question of the controls there.

843 The second piece is COPPA only focuses on children under
844 the age of 13. And so there is a massive market. You can go
845 buy it right now of, literally, lists on 14 to 17-year-olds
846 sold by data brokers out there on the market. And so
847 targeting that, I think, is a key part of this, as well.

848 *Ms. Castor. Right. Dr. -- or Professor Moy, you also
849 are very well familiar with COPPA. It says they have to
850 maintain reasonable procedures to protect the
851 confidentiality, security, and integrity of personal
852 information. But that is not happening, is it?

853 *Ms. Moy. No, no, I don't think at all. Nor there is
854 also a prohibition in COPPA that services not collect more
855 information than is reasonably necessary from a child to
856 provide the site or service. And I don't think that that is

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857 happening, either.

858 *Ms. Castor. So we have the ability in the law to put
859 some guardrails, to adopt some guardrails. What about --
860 could we, in the law, say that there are certain time limits
861 on information that is gathered, and after a certain
862 timeframe it has to be deleted?

863 *Ms. Moy. I absolutely think that that would be a good
864 idea.

865 I mean, I think that one of the things that many people
866 don't quite understand about the information that they
867 generate about themselves as they go about their daily lives
868 is that that information can live forever, even after they
869 think that they have deleted it from a site or service. Once
870 it has been collected by a data broker, it might exist in
871 databases forever.

872 And so I absolutely think children lack the capacity to
873 consent. Often times their information is not provided
874 directly by them, but in fact by their parents and families.
875 And there should be a retention limit on information that is
876 collected.

877 *Ms. Castor. And just like Mr. Erwin highlighted how

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878 Mozilla has built into their browser design from the very
879 get-go certain enhanced tracking protections to an
880 encryption, we could do that in the law, couldn't we?

881 We could set guardrails, Mr. Sherman, on -- in addition
882 to time limits on privacy settings, default -- just what
883 Chairman Griffith said, it is default private first. And
884 people have to have some kind of meaningful consent in to
885 share, and we can have time limits around that. Is that
886 right?

887 *Mr. Sherman. That is right. And kids is such an
888 important category to protect that I think there is even more
889 reason, as you are saying, to do that focused on children.

890 *Ms. Castor. There is no law right now that prohibits
891 these data brokers from selling this data to malign foreign
892 actors whatsoever?

893 Okay. I hear you loud and clear. We have a lot to do
894 on this. So, Mr. Erwin, how -- why have you all decided in
895 the wild, wild West of data to remain committed to online
896 privacy? That is not in your -- that is not profitable for
897 you. Or is it profitable for you?

898 *Mr. Erwin. It is not as profitable as we would like.

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899 You know, I think the reality is privacy is so opaque that it
900 doesn't -- the privacy properties that we built into the
901 browser don't drive consumer awareness or action as much as
902 we would like.

903 We build these things into the browser because we know
904 fundamentally people need to be able to trust the platforms
905 that they are using in order to engage online. And so, while
906 they might not know in -- like, in detail exactly who is
907 collecting their data, they are going to know that Firefox or
908 the platform they are using is trustworthy. And that is
909 something that we find to be valuable. It doesn't, like I
910 said, drive our business interests as much as we would love,
911 but it is something that we take very seriously.

912 Some of the other major platforms I think have moved
913 sort of in lockstep with us, particularly, I would say, like,
914 Apple's privacy protections are also quite strong, and
915 applaud some of the steps they have taken. That covers
916 roughly half of the browser and mobile operating system
917 market. However, the other half, the average consumer uses
918 of the other platforms, are still not benefiting from some of
919 these core protections, and they are still -- their privacy

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920 is --

921 *Ms. Castor. Thank you very much.

922 *Mr. Erwin. -- is still in jeopardy.

923 *Mr. Griffith. The gentlelady yields back. I now
924 recognize the chairman of the full committee, Mrs. McMorris
925 Rodgers, for five minutes of questioning.

926 *The Chair. Thank you, Mr. Chairman, and I appreciate
927 you inviting everyone to be here today, and your testimony.
928 And I wanted to start with an issue that has been debated for
929 many years, and that is targeted advertising.

930 So, Mr. Erwin, I just wanted to start with you, and ask
931 for you to give us some insights as to the ways websites
932 collect data on users and the life cycles of that data.

933 *Mr. Erwin. Yes. So targeting -- targeted advertising
934 really drives a large amount of the Web ecosystem today.

935 You know, roughly sort of a decade ago, targeted
936 advertising was much more simple, and it seemed to power the
937 Web just fine. So you had things like advertising for your
938 average sort of news platform that you visited. It seemed to
939 generate a fair amount of revenue for that platform, yet it
940 wasn't nearly as sophisticated as it is today in terms of

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941 being able to draw on deep profiles of data, some of that
942 data being collected offline and shared with ad tech
943 platforms, and some of it being collected online and shared
944 with ad tech platforms. Once you have that really rich
945 profile of data, that then allows the -- whatever site that
946 you are using to draw on that data, to target ads to exactly
947 the target audience that they want.

948 And the challenge is that that opens up really serious
949 concerns for abuse, because the more you know about someone,
950 the more you can manipulate them. You can target your
951 message to exactly who you want. And in some cases, that can
952 be fine if you are sort of making a standard sort of consumer
953 offering. But in other cases it can be terribly problematic.

954 *The Chair. And then would you speak to the life cycle
955 of that data?

956 *Mr. Erwin. Yes. So I think that data is often sort of
957 immediately actionable. So the data is collected. You will
958 visit a site, you will -- the ad tech platform will see, oh,
959 you visited that site, you put something in your shopping
960 basket, and then a week later they see you again and say,
961 hey, you never finished that purchase. We still know exactly

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962 who you are. We still think that you we want -- you to buy
963 that thing. You are going to see a targeted ad on a
964 completely different platform. So that is sort of the
965 immediate life cycle of the data.

966 However, that data is really valuable, and it can then
967 leak in many other places to data brokers, to other
968 programmatic ad platforms, and the data will live on for
969 extended periods of time.

970 *The Chair. Thank you.

971 Mr. Sherman, I wanted to ask if you would just maybe
972 give some more insights around this, because in your
973 testimony you referenced how data brokers collect data on
974 elderly, on Americans with mental health concerns, on
975 teenagers. Would you just discuss in more detail how they
976 use this information to target and harm vulnerable Americans?

977 *Mr. Sherman. There are a variety of things that data
978 brokers do with data. So they will point out -- which they
979 do, the -- some companies do things like fraud prevention,
980 identity verification, all the way to essentially building
981 these packages, these targeting profiles, if you will, on
982 different subsets of Americans. So maybe that is 30 to 40-

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983 year-olds in D.C. who like coffee. Maybe that is elderly
984 Americans with Alzheimer's, and then seeing who they can sell
985 that to to make a profit off of it.

986 And so, as you alluded to, in some cases that has
987 included -- in many cases that has included data brokers
988 selling to scammers because they get paid for it. And then,
989 as Professor Moy testified, they get put on what are called
990 suckers lists, and then used to be targeted for astrology
991 scams or all kinds of other fraudulent activities.

992 *The Chair. Well, so last month we had a hearing with
993 TikTok's CEO, Mr. Chew, and certainly concerns about how the
994 data is being ultimately controlled, and its connection to
995 the communist -- Chinese Communist Party. And so there is
996 the national security concerns around TikTok. But would you
997 speak to their ability to -- you know, speak to the Chinese
998 Communist Party and other foreign adversaries' ability to
999 collect American data by buying it from data brokers, either
1000 directly or indirectly?

1001 And then do the data brokers have any protections in
1002 place to prevent this from happening?

1003 *Mr. Sherman. We have not found in our work that

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1004 brokers often vet who they sell to. Hence the scamming
1005 example. Hence also there is absolutely a risk that a
1006 foreign actor could approach a company or lie to a company
1007 about their intentions, and buy a bunch of data on Americans.

1008 We are also all familiar with the Equifax breach, right,
1009 when the Chinese military stole hundreds of millions of
1010 Americans' data. Equifax is a major data broker, and an
1011 example of what happens when a company with that much data is
1012 not properly protecting it. Now a foreign actor has all of
1013 that information on Americans that has been pre-compiled,
1014 pre-packaged, pre-sorted, and ready for targeting.

1015 *The Chair. Yes. So lots of opportunities for
1016 manipulation and abuse.

1017 Lots more questions, but I am going to yield back, Mr.
1018 Chairman.

1019 *Mr. Griffith. Thank you, Madam Chair. I now recognize
1020 the ranking member of the full committee, Mr. Pallone, for
1021 his five minutes of questioning.

1022 *Mr. Pallone. I just wanted to say, Chairman Griffith,
1023 that, you know, I just was -- found it so interesting, what
1024 you said about the bird watching, because I think that maybe

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1025 you, like me, you know, we are in a world, you know, a few
1026 years ago, where, you know, people would say, oh, there is
1027 where the bird is, why don't you go look at it, right, and
1028 you don't even think about the fact that somebody may do
1029 something nefarious with that information, because we are
1030 kind of naive about what is out there.

1031 And so, if I could ask Ms. Moy, I mean, you did this
1032 tweet, and you were -- you know, and I think you said that
1033 people would be shocked by the type of information that was
1034 available. So why don't you tell us what would surprise
1035 Americans about the scope of the data that is collected about
1036 them by these data brokers?

1037 *Ms. Moy. Yes. I mean, I think that -- I think there
1038 are a couple things that I would highlight.

1039 So one is there are all kinds of things that people
1040 think of as sensitive information that they think is already
1041 protected by certain laws that is actually not within the
1042 scope of the laws that we have protecting those types of
1043 information.

1044 So some examples are health information. A lot of
1045 people think like, well, we have a health privacy law. And

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1046 that is correct. But there is a lot of information that is
1047 collected outside the context of actual medical services that
1048 people would think of as health information: purchases of --
1049 you know, I think I read in the 2014 Senate report about
1050 purchase information of yeast infection products and
1051 laxatives, that that was in a data broker file; information
1052 from wearable health devices; information about how
1053 frequently someone visited a doctor. That information --
1054 people would expect that it is protected, but it falls
1055 outside the scope of our existing laws.

1056 And then I think another thing that people would be
1057 really surprised about is that the information -- again, the
1058 information potentially lives forever. So people may think
1059 that something that they posted a while ago on a social media
1060 platform, like on Twitter, and later deleted is gone. But it
1061 is not. If it has been scraped by a data broker it may live
1062 forever.

1063 *Mr. Pallone. And then this whole issue you wrote in
1064 your testimony, it says, "If well-informed individuals wanted
1065 to remove their own information from data brokers, as a
1066 practical matter it is nearly impossible.'" What does that

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1067 say about the amount of control that consumers currently have
1068 over how their data is collected?

1069 *Ms. Moy. Yes, I mean, I think people really have very
1070 little control right now, as I think everyone on this panel
1071 has highlighted. This is a very opaque industry. Often
1072 times individuals don't have relationships with these
1073 companies.

1074 And so -- but even when there is an opt-out, there are
1075 -- a couple of journalists have written about this, about
1076 their attempts to erase their own information. I have done
1077 it myself. It is really hard. One journalist described it
1078 as a labyrinthine process to try to opt out, and said that
1079 opt-outs are hard to find out about, much less navigate, and
1080 she pointed out that it is actually much easier to buy
1081 records about your neighbors than it is to scrub your own
1082 personal information from brokers.

1083 *Mr. Pallone. Well, Mr. Sherman, in your testimony you
1084 talk about the same issue.

1085 So what -- I mean, it seems to me what we really need is
1086 like a one-stop shop for consumers to use to request that
1087 data brokers delete information. And I know that the

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1088 comprehensive Federal privacy legislation which myself and
1089 Chair Rodgers and I think everybody on the committee has
1090 cosigned does have that kind of a mechanism.

1091 So how would you -- what would you suggest about
1092 creating a mechanism that helps -- limits data brokers' power
1093 to profiteer, and restore control?

1094 *Mr. Sherman. A one-stop shop would certainly help,
1095 right? Part of the issue now is consumers not knowing this
1096 is happening, and then having to go figure out which of 1,000
1097 or so companies -- more than that -- to contact. And so
1098 having a one-stop shop to do that would be good.

1099 The other thing I would add is that, with people search
1100 websites, where public records are scraped or home addresses
1101 are posted, the source of stalking, the source of the attack
1102 on the judge's home, in part -- those are often exempt from a
1103 lot of these bills and these state privacy laws that have
1104 been passed because they have broad carve-outs for publicly-
1105 available information.

1106 And so I think that is another challenge, is to say yes,
1107 of course, we want public records out there. We are a
1108 democracy. We want things to be available. But we need to

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1109 recognize the immense risk to individuals by having that
1110 posted, as Professor Moy said, online for easy purchase.

1111 *Mr. Pallone. Well, thank you so much. This panel is
1112 fantastic, and this hearing is so important.

1113 Thank you, Mr. Chairman.

1114 *Mr. Griffith. Thank you very much. The gentleman
1115 yields back. I now recognize the gentleman from Texas, Dr.
1116 Burgess, for his five minutes of questioning.

1117 *Mr. Burgess. Thank you, Mr. Chairman. And again,
1118 fascinating panel.

1119 Let me just ask -- sort of like asking for a friend.

1120 [Laughter.]

1121 *Mr. Burgess. What is the value of -- someone
1122 aggregates data and sells it to someone. What is, like, the
1123 cost per person? What is the return on investment there?
1124 Like, how much do you get per deliverable, per person's
1125 personal information? Is it like pennies? Is it like a
1126 dollar?

1127 *Mr. Sherman. So often times brokers will not -- large
1128 brokers will not sell you a single person's information, but
1129 they will give you a data set, as you said, with a price per

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1130 record.

1131 As mentioned in a study we have coming out, we bought
1132 individually identified data on military service members for
1133 as cheap as 12-and-a-half cents a service member. You can
1134 also buy lists of teenagers or people with Alzheimer's, and
1135 maybe it is \$0.30 or \$0.40 a person.

1136 So even if you are buying a few thousand records, you
1137 are only spending a couple hundred dollars to get this
1138 information.

1139 *Mr. Burgess. So several years ago there were a number
1140 of well-publicized data breaches and -- like for an insurance
1141 company -- and the comment was made, well, this was data at
1142 rest. This wasn't data that was actually being used for
1143 anything. What is the value of that to someone who then
1144 steals that kind of information? Are they able to monetize
1145 it and turn it around and make it a commodity that is for
1146 sale?

1147 I guess, Mr. Sherman, I will stick with you.

1148 *Mr. Sherman. It depends what is in the data, but it
1149 absolutely can be valuable. We know that, from various
1150 studies, that health information is some of the most valuable

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1151 sold on the dark web. You can buy that. As my fellow
1152 panelists mentioned, a lot of that is not covered by HIPAA.
1153 Companies are legally allowed to sell it.

1154 Another example in the national security context, you
1155 can imagine location data or other information on government
1156 personnel that you could get and then could be used in a
1157 variety of ways.

1158 *Mr. Burgess. Well, this committee, the subcommittee,
1159 had a very good hearing. Professor Moy, in her written
1160 testimony, talked about the scamming of elder individuals,
1161 and we had a -- quite an involved hearing on how elder abuse
1162 that was actually happening in that way. Is there a certain
1163 type of information that people go after to get at these --
1164 at a list of people who might be susceptible to making these
1165 types of purchases?

1166 *Ms. Moy. I mean, so I think, you know, these suckers
1167 lists often might contain information. Could just be contact
1168 information, but it might be information also -- detailed
1169 information about the types of scams or the types of
1170 solicitations that individuals had responded to in the past.
1171 And so that was certainly at issue in some of these cases

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1172 that the Justice Department brought.

1173 Some of the brokers had been observing the types of
1174 solicitations that individuals responded to, and used that
1175 information to refine and further categorize users based on
1176 their particular vulnerabilities.

1177 *Mr. Burgess. So, Mr. Chairman, I wonder if they
1178 actually compare to the birders list on that. Just a
1179 hypothetical question.

1180 Mr. Sherman, let me just ask you on the health data,
1181 Federal protections for American citizens right now that are
1182 required of these brokers.

1183 *Mr. Sherman. HIPAA is often referred to as the U.S.'s
1184 health privacy law. Sometimes it is easy to forget that the
1185 P in HIPAA for portability, it is not for privacy. And so
1186 there are privacy rules associated with it, but it only
1187 covers a narrow set of entities: hospitals, health care
1188 providers.

1189 There are lots of apps, websites, particularly health
1190 and mental health apps, that exploded during the pandemic
1191 that are not connected to a covered entity, and therefore are
1192 not bound by HIPAA. The FTC has been shining a light on this

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1193 recently, as well.

1194 *Mr. Burgess. So let me just ask you. And we have all
1195 done this. You buy a new wearable device, and you sign up
1196 for something. Is that in perpetuity? If I no longer use
1197 that health app, how long does that license exist?

1198 *Mr. Sherman. If you are referring to the data, there
1199 is no limit on how long a broker could keep that information.

1200 *Mr. Burgess. And so the data that is generated by a
1201 wearable, for example, is continuously accessible by whatever
1202 person you originally signed on with?

1203 *Mr. Sherman. It depends on the specific device. As
1204 mentioned, some companies like Apple are more privacy
1205 protective. Others do not have those protections in place.

1206 *Mr. Burgess. Fascinating discussion.

1207 Thank you, Mr. Chairman. I will yield back.

1208 *Mr. Griffith. The gentleman yields back. I now
1209 recognize the gentlelady from Colorado, Ms. DeGette, for her
1210 five minutes of questioning.

1211 *Ms. DeGette. Thank you so much, Mr. Chairman, and I
1212 want to thank you and the ranking member for holding this
1213 important bipartisan hearing.

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1214 Mr. Sherman, both you and Professor Moy talked just a
1215 few moments ago about the fact that health care data is not
1216 protected, but people think it is protected. I am wondering
1217 if you can expand on what types of health care data are not
1218 protected.

1219 *Mr. Sherman. As mentioned, it is less about the type
1220 of data and more about the source of the data. So there is
1221 health information that if you told your doctor they can't go
1222 shout it on the street corner, they can't write it up and
1223 sell it. But if you tell that to a certain app or website,
1224 they are allowed to do so. And so you can get data on
1225 Americans with depression, with anxiety, with PTSD. You can
1226 get information about the prescriptions that people are
1227 taking for sexual health conditions, mental health
1228 conditions. You can get data related to pregnancy, and
1229 fertility, and motherhood, and all kinds of things.

1230 *Ms. DeGette. So -- and, of course, we expanded
1231 telehealth during the pandemic. So would that also expand to
1232 telehealth?

1233 *Mr. Sherman. It often does. And many of the mental
1234 health apps that surged during the pandemic, whether that was

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1235 to set up appointments or do meditation, or --

1236 *Ms. DeGette. Let me stop you for a minute. Mental
1237 health, but also physical health consultations. If somebody
1238 is consulting by telehealth with a doctor, that could also be
1239 vulnerable, that data.

1240 *Mr. Sherman. If an app is connected to a HIPAA-covered
1241 entity, so if it is an app for a hospital, for example, that
1242 is covered.

1243 *Ms. DeGette. Okay.

1244 *Mr. Sherman. If it is outside of that, that might not
1245 be covered.

1246 *Ms. DeGette. Okay. So basically, data brokers are
1247 collecting lists of people living with diseases and ailments
1248 like diabetes, depression, even women who are pregnant, and
1249 selling this information to people who can exploit the
1250 consumers. Is that right?

1251 *Mr. Sherman. Yes.

1252 *Ms. DeGette. Professor Moy, would you agree with that?

1253 *Ms. Moy. Yes.

1254 *Ms. DeGette. Now -- so are you aware, Mr. Sherman,
1255 that law enforcement agencies have purchased data broker

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1256 information on U.S. citizens, ranging from home utility data
1257 to real-time locations, even though the information may not
1258 be complete, current, or accurate?

1259 *Mr. Sherman. Yes.

1260 *Ms. DeGette. So all -- so theoretically, if a law
1261 enforcement agency can purchase this information, they could
1262 purchase any of the kinds of information we were just talking
1263 about.

1264 *Mr. Sherman. Correct.

1265 *Ms. DeGette. Right? It wouldn't be limited to, like,
1266 utilities or location. They could purchase any of this
1267 information about medical information.

1268 *Mr. Sherman. Yes.

1269 *Ms. DeGette. Now, have data brokers sold location
1270 information linked to specific devices that could track
1271 individuals' movements to reproductive health clinics and
1272 other sensitive locations that you know of?

1273 *Mr. Sherman. There have been a few journalistic
1274 investigations on this indicating that they have. The
1275 question comes back to how identifiable is the data. It
1276 might not literally be a name, but I would say, yes, it can

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1277 be linked to a device.

1278 *Ms. DeGette. It can be linked to that. Now, in your
1279 testimony -- or Dr. Moy, did you want to add to that? No?

1280 *Ms. Moy. No, no.

1281 *Ms. DeGette. Do you agree?

1282 *Ms. Moy. I agree, yes.

1283 *Ms. DeGette. Okay. In your -- now so, Mr. Sherman, in
1284 your testimony you recommended three steps that Congress
1285 could take to address this. I am wondering if you can hone
1286 that in specifically to health and location data that could
1287 protect American consumers.

1288 *Mr. Sherman. I think banning the sale of health and
1289 location data is the best route to prevent those harms. As
1290 mentioned, health and location data are very sensitive. They
1291 can be used very harmfully. Both Democrats and Republicans
1292 agreed almost 30 years ago now with HIPAA that health privacy
1293 is important and must be protected. Location, similarly, is
1294 unique to individuals. You can also learn other things by
1295 following people around, as you mentioned. And so those, I
1296 think, are two really important categories to focus on.

1297 *Ms. DeGette. Great. Well, thank you. And I look

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1298 forward to working with my colleagues on this, because it is
1299 almost inconceivable to us to see how far the tentacles of
1300 these intrusions go. But I think they can go in very, very
1301 bad ways.

1302 And I yield back.

1303 *Mr. Griffith. I thank the gentlelady, and agree, and
1304 now recognize the gentleman from Kentucky, Mr. Guthrie, for
1305 his five minutes of questions.

1306 *Mr. Guthrie. Thank you, Mr. Chair. I appreciate the
1307 opportunity. Thanks for all the witnesses being here.

1308 Mr. Erwin, in your testimony you refer to dark patterns,
1309 and you stated dark patterns, for example, are pervasive
1310 across the software people engage with daily. Consumers are
1311 being tricked into handing over their data with deceptive
1312 patterns. Then the data is being used to manipulate them.

1313 So my questions are how are consumers being tricked into
1314 handing over their data? What are examples of these
1315 deceptive patterns? And are there technical fixes to prevent
1316 them?

1317 *Mr. Erwin. Yes. So we heard earlier -- I thought the
1318 example of location data from the chairman was interesting

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1319 because, ideally, a consumer should be able to hand over
1320 their location to a party explicitly and have some value
1321 exchange. They are getting a service in return.

1322 The challenge we see online today is you are handing
1323 over your location or your other data, and you might be
1324 giving that directly to the website you visit, and you know
1325 you are doing that, but you don't realize because there is
1326 some click-through box and some long, long text that you are
1327 never going to read, or some deceptive sort of always-on data
1328 collection button that you never realize is on, and therefore
1329 you are going to be sharing more data than you expect, or
1330 sharing it with parties that you don't expect. Those are the
1331 type of design patterns that we see across many of the
1332 websites that we all use on a daily basis.

1333 *Mr. Guthrie. Are there technical fixes to that?

1334 *Mr. Erwin. So I think one of the many things that I
1335 like in ADPPA is a call-out trying to define consent and
1336 establishing that manipulative design patterns that do not
1337 provide meaningful consent and try to trick consumers into
1338 consenting data collection without fully understanding are --
1339 that is -- it is simply not an acceptable practice.

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1340 I think that is a good approach, and one -- like I said,
1341 one of the many things that I like in the draft.

1342 *Mr. Guthrie. Okay. Yes, location data. For instance,
1343 there has been a couple of criminal cases, one in South
1344 Carolina, one in -- the horrible incident in Idaho, where the
1345 location on the person's phone -- you can't think of
1346 everything if you are going to cover your tracks. Your phone
1347 tells a lot of things you don't think about. And so it has
1348 been beneficial in some ways, but it certainly is concerning
1349 for us.

1350 So you also say in your testimony we are reaching the
1351 limits of what we can do in the browser to protect people
1352 from this data collection. And so, as you were talking
1353 about, there is -- what are -- so I guess my question would
1354 be, why do you think we are reaching the limits?

1355 What types of browser information can we protect, and
1356 what can we not protect?

1357 And then what would be your message to websites and tech
1358 companies if they want to better protect their users?

1359 *Mr. Erwin. Yes. So just historically, one of the
1360 interesting sort of arcs of narrative about privacy is it was

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1361 not built in early enough into your browsing experience in
1362 your -- in the browser, in the operating systems you use, in
1363 the mobile operating systems you use. And at least some
1364 companies have been very forward-leaning in trying to correct
1365 that early mistake.

1366 And so we have done things like -- for example, we talk
1367 about deprecating cookies, or blocking what we call cookie-
1368 based tracking. This is the standard tracking mechanism
1369 online, historically, that has been used to build a profile
1370 of what you are doing on the Web. However, there are some
1371 underlying techniques that we know we can do much less about.

1372 So one of these -- and just to go into the weeds for a
1373 moment -- we call browser fingerprinting. The basic idea,
1374 almost like a fingerprint that you have, is there are certain
1375 characteristics of your browser -- the screen size, for
1376 example; the fonts that you have installed in your browser --
1377 that, actually, if you collect this data -- and it is data
1378 that is really critical to your usage of the browser, but it
1379 actually -- if you collect enough of it, it becomes a unique
1380 identifier that then follows you around. That is what we
1381 call a browser fingerprint.

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1382 And again, that is the type of thing which, like --
1383 there were explicit identifiers, cookies, ad IDs that were
1384 built into platforms like the browser that we have removed,
1385 and that we have made real progress. But there is some
1386 things like this -- like I said, browser fingerprints that we
1387 can actually do very little about. We are working on it, but
1388 we know that it is a much, much more difficult space for us.

1389 *Mr. Guthrie. Okay, thanks.

1390 And I guess, Mr. Sherman, we had the TikTok hearing, and
1391 the TikTok CEO testified that he could not say with 100
1392 percent certainty that the Chinese Government did not have
1393 access to American user data.

1394 If you couldn't -- could the Chinese Communist Party get
1395 the same data by purchasing it if they get it just from
1396 TikTok, which they own?

1397 *Mr. Sherman. It might not be all the same data, right?
1398 But you can get a lot just by buying it. Or if you are
1399 someone like the Chinese Government, just stealing it from
1400 the companies that are doing the work to precompile and
1401 package it.

1402 *Mr. Guthrie. Well, so that is the question I was

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1403 getting to. So if we passed all kinds of privacy laws, but
1404 there is bad actors and bad players that own companies, they
1405 would still have access to the data, even if the law says you
1406 can't share this data, or it can't be submitted, or so forth.
1407 Correct?

1408 *Mr. Sherman. There is always a risk of hacking. And
1409 so we do need to think about cybersecurity protections for
1410 all kinds of data alongside the privacy controls on them.

1411 *Mr. Guthrie. Because we learned that -- a lot of these
1412 deceptive practices are -- people call me all the time and
1413 say, well, if it is a website from Russia, it is tough to
1414 prosecute, and those kinds of things. So we need to be aware
1415 that there is deceptive players all around.

1416 My time has expired, and I will yield back.

1417 *Mr. Griffith. The gentleman yields back. I now
1418 recognize the gentlelady from Illinois, Ms. Schakowsky, for
1419 her five minutes of questions.

1420 *Ms. Schakowsky. I really want to thank the witnesses.

1421 You know, for the purpose of this hearing, I think there
1422 is two things that we know. One is that most Americans worry
1423 about their data privacy, that -- and are concerned that it

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1424 is not being protected. And two, as has been said over and
1425 over again during this hearing, is that most consumers don't
1426 know a thing about, you know, the data brokers, who they are,
1427 what -- how it works.

1428 So I wanted to call attention -- and this has been
1429 mentioned, too -- about our American Data Privacy and
1430 Protection Act in which we say that we would require all data
1431 brokers to register, essentially, so that we would --
1432 everyone would have access to a list. And you could, with
1433 one push of the button, actually disconnect from that. You
1434 could, you know, take yourself out.

1435 And I wondered how you think -- if this is an effective
1436 way to go, and that this would be a really important advance
1437 for consumers.

1438 I just want to point out still I think we would have to
1439 educate people that this is going on. If they see the term
1440 "data broker," they still might not know what it is, but we
1441 would give them the opportunity to opt out. What do you
1442 think?

1443 I would like each of you, if you have an answer, that
1444 would be great.

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1445 *Ms. Moy. I am happy to start. Yes. So I think -- I
1446 mean, a registry would certainly be a good place to start, as
1447 well as a one-stop shop for people to opt out. Yes, the --
1448 it is incredibly opaque right now. A registry would both
1449 help the Federal Trade Commission exercise oversight, help
1450 people gain some insight into what is happening. And a one-
1451 stop shop would be really important for opting out.

1452 I think a few things to think about are what the
1453 incentive is to register. So right now I think the penalty
1454 is \$10,000 for not registering in the bill, and that is
1455 something to think about, whether that is a sufficient
1456 penalty.

1457 And I think a couple of questions that this approach
1458 raises also are what we do about first parties that are
1459 collecting tremendous amounts of information that maybe kind
1460 of are data brokers, but do have relationships with
1461 individuals, and what we do about publicly available
1462 information, which -- a lot of data brokers claim to be
1463 dealing entirely in publicly available information.

1464 *Ms. Schakowsky. Thank you.

1465 *Ms. Moy. But it is a very good start, I agree.

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1466 *Mr. Erwin. Yes, we support a combination of what we
1467 think of as universal opt-outs plus sort of default privacy
1468 protections.

1469 So in some cases, the opt-out, especially along the
1470 lines of what you are suggesting, is really critical and
1471 valuable. There is similar opt-out mechanisms that people
1472 have proposed in your web browser so that you don't have to
1473 opt out from every website to website. So decreasing the
1474 opt-out friction is really critical, because it is so easy
1475 right now to hand over your data and really hard to prevent
1476 parties from collecting that data.

1477 The one challenge with that, though, is we know that
1478 consumers typically aren't -- still aren't going to use a lot
1479 of these opt-out mechanisms. That is why it is also critical
1480 to have some baseline protections, prohibitions against data
1481 selling, default strong protections so that users don't
1482 always have to opt in. And in some cases that is actually a
1483 better outcome than leaning on opt-out mechanisms as the sole
1484 mitigation.

1485 *Ms. Schakowsky. Before I get to you -- but I want you
1486 to answer this question, Mr. Erwin -- is there a really good

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1487 rationale for data brokers, period?

1488 *Mr. Erwin. I will answer that one first. Again, as I
1489 mentioned, data brokerage covers a wide range of activities.
1490 So there are companies that will sell to employers and to
1491 landlords and say, "If you want to do income verification for
1492 someone you are looking to hire, give us their name, we will
1493 tell you what we have.'" There is still a privacy question
1494 about that, but it is all the way to, as mentioned, some
1495 really egregious cases where I think the case is really
1496 strong for regulation and not for allowing, for example,
1497 health data to be sold, right?

1498 The marginal benefit, potentially, is someone gets
1499 marketed a product that they could use for health condition
1500 -- that is even then questionable -- all the way to, as we
1501 have seen, scamming people with Alzheimer's, and dementia,
1502 and things that are patently harmful.

1503 *Ms. Schakowsky. And the idea of our language that we
1504 have in our bill?

1505 *Mr. Erwin. Yes, I like it. I think it is a great
1506 first step. I would agree with what Professor Moy and Mr.
1507 Erwin said. I think thinking about enforcing the opt-out is

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1508 important.

1509 There have been folks, as my fellow witness mentioned,
1510 who have tried to get their name taken off these people
1511 search websites. They might opt out. The company might say,
1512 okay, we will do it. And the next day their name is back on
1513 there, because it repopulates or because, if you click on my
1514 sibling, then my page pops back up.

1515 So making sure they are actually deleting that data,
1516 actually stopping the sale, I think, is the second big piece
1517 of that solution.

1518 *Ms. Schakowsky. Great.

1519 Thank you to all three of you. I appreciate it.

1520 *Mr. Griffith. The gentlelady yields back. I now
1521 recognize the gentleman from South Carolina, Mr. Duncan, for
1522 his five minutes of questioning.

1523 *Mr. Duncan. Thank you, Mr. Chairman, a really
1524 informative committee hearing.

1525 This might be off topic, but are these things listening
1526 to us and sharing our data?

1527 *Mr. Erwin. So it is interesting. In fact, they are
1528 not. But, you know, the major --

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1529 *Mr. Duncan. I mean, how can you say that? Let me
1530 preface it.

1531 *Mr. Erwin. Yes.

1532 *Mr. Duncan. You know, I may have a discussion with
1533 Kelly Armstrong about the beaches at Normandy and -- or the
1534 Battle of the Bulge. And then I go to a social media site
1535 and within seconds an ad will pop up on that topic. And it
1536 could be oriental rugs. It could be something that, you
1537 know, is just off topic that I normally wouldn't talk about,
1538 but because I did in a setting, ads pop up. And it happens
1539 too many times for me to think they don't.

1540 *Mr. Erwin. Yes, it is pretty amazing, isn't it? I
1541 think it is even scarier, though, because what is really
1542 happening is many of the major tech platforms know so much
1543 about you that they can predict your behavior. They can
1544 predict your conversation.

1545 *Mr. Duncan. They can't predict something like an
1546 oriental rug.

1547 *Mr. Erwin. In fact, they can. That is -- it is
1548 remarkable, how sophisticated some of these companies are.
1549 And so that is actually what is happening. They are not

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1550 listening to you, but they have such incredible predictive
1551 power that they can figure it out.

1552 *Mr. Duncan. I am going to say Hermes ties, and I will
1553 bet you at some point this afternoon I will have -- let's
1554 move on. I think they are, and I think it is scary, the
1555 amount of data --

1556 *Mr. Erwin. It is, yes.

1557 *Mr. Duncan. -- that these devices are collecting.

1558 I was in the auction business, did real estate
1559 marketing, and I was able to buy MEL list using an OSC code,
1560 I think it was called, and did direct mail marketing to
1561 people I thought may want the property I was selling.
1562 Unsolicited mail pops up in your mailbox. How is this
1563 different than what marketing companies were doing then
1564 through buying those mail lists?

1565 *Mr. Sherman. I can maybe start. I would say it is not
1566 entirely different, right? There are brokers who sell those
1567 kinds of marketing lists now.

1568 I think the questions come back to the scale of the data
1569 collected, the depth of the data, as Mr. Erwin mentioned,
1570 that is out there.

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1571 And the third piece is are you actually vetting who you
1572 are selling to? As you mentioned, if you are perhaps doing
1573 marketing for your small business, that might be one thing.
1574 But there was a case where the Justice Department went after
1575 Epsilon, a multibillion-dollar broker that got sample scam
1576 mails that the criminal scammer was going to send to elderly
1577 Americans, and approved the sale anyway.

1578 And so it comes back to that question of what are you
1579 actually doing to make sure that someone is not going to use
1580 that same information in a harmful way.

1581 *Mr. Duncan. I yield to Armstrong.

1582 *Mr. Armstrong. Well, I just have a secondary question
1583 to that real quick, and I agree with that. But even on its
1584 best scenario, right, I mean, even whether it is legitimate
1585 or illegitimate, there is still a difference between
1586 contextual advertising and actually targeted advertising.
1587 Like, if you are buying old mail lists and you are going to
1588 elderly people, that is not -- I mean, you are targeting a
1589 specific group in a contextual capacity. This is
1590 micro-targeting at a much more sophisticated and, quite
1591 frankly, dangerous level, right?

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1592 And I yield back.

1593 *Mr. Sherman. Absolutely, yes. And you can buy lists
1594 that maybe are not just name and one column with interest in
1595 real estate. You could buy with health and all kinds of
1596 other things we have mentioned in that same data set to
1597 really, really get precise about targeting people.

1598 *Mr. Duncan. Thank you for that. Let me just ask this.
1599 In your written testimony you talk about various state laws,
1600 including those in California and Vermont, that define and
1601 require data brokers to register with the state governments.
1602 There is also laws in Delaware, Michigan, Virginia, Colorado,
1603 and others.

1604 Are these laws sufficient in protecting American
1605 privacy? Yes -- if yes, why? If not, why not? And then --
1606 that is for you, Mr. Sherman.

1607 Mr. Erwin, I would like to ask what would be the
1608 advantage of having a Federal law defining and regulating
1609 data brokers, as opposed to the patchwork of state laws?

1610 *Mr. Sherman. I would say no on the registry laws.
1611 They are an important step, but they don't do anything to
1612 block the sale of data. They force some companies defined

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1613 narrowly to register. A lot of that information actually is
1614 wrong or outdated. And so we do need to do more on that
1615 front, such as actually controlling the sale of data in
1616 regulation.

1617 *Mr. Erwin. Yes, we think the Federal law is really
1618 critical.

1619 The challenge with state law is, one, it is going to
1620 leave a large number of people unprotected where those laws
1621 haven't passed. And that, to us, is the biggest problem. A
1622 lot of Americans today aren't going to benefit from the
1623 privacy protections in CCPPA (sic), for example.

1624 The other challenge with having a patchwork of state
1625 laws is, you know, when your legal team looks at that, and
1626 you see this complexity of the regulatory environment, it
1627 kind of looks for, like, the bottom line. What is the
1628 minimum? And the challenge -- and that is really not good
1629 for consumers, either, because it means we are not setting a
1630 high bar that everyone can be held to. Rather, your legal
1631 team is just doing legal risk mitigation, and that is not a
1632 great situation to be in. It is not good for consumers,
1633 either. So the Federal law, to us, is much preferable.

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1634 *Mr. Duncan. I still think the phones are spying on us
1635 and sharing that information with some social media platforms
1636 until I am convinced otherwise.

1637 And I yield back.

1638 *Mr. Griffith. Many of my constituents would agree with
1639 you, Mr. Duncan.

1640 That being said, the gentleman yields back and I now
1641 recognizes the gentleman from New York, Mr. Tonko, for his
1642 five minutes of questioning.

1643 *Mr. Tonko. Well, thank you, Chair Griffith, and thank
1644 you, Ranking Member Castor, for hosting this hearing.

1645 I think it is important to hear from you folks at the
1646 table, so thank you to our witnesses.

1647 The data brokerage industry's practices are deeply
1648 intrusive. This industry monetizes personal data, including
1649 sensitive information like data on mental health and
1650 addiction. Americans already face many barriers to seeking
1651 out treatment for mental health and substance abuse without
1652 data brokers trying to exploit their condition for profit.
1653 So what people struggling with mental health and addiction
1654 need to know is that they are not alone, and that real help

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1655 is available.

1656 So, Mr. Sherman, have you found that data brokers are
1657 capitalizing on the mental health crisis in this country to
1658 boost their profits?

1659 *Mr. Sherman. I think so. The more that mental health
1660 services that are not regulated are collecting mental health
1661 data, the more they are able to sell it to data brokers.

1662 *Mr. Tonko. Any -- do the other two witnesses have any
1663 comments on -- or any experience in knowing about any of the
1664 mental health community?

1665 Okay. I understand that many data brokers collect data
1666 to feed targeted advertisements, including those directed
1667 toward vulnerable populations like those struggling with
1668 addiction. In February I introduced the Betting on our
1669 Future Act to stop sports betting's harmful advertising that
1670 preys on the estimated seven million people in the United
1671 States who have a gambling problem or addiction.

1672 So, Mr. Sherman, how have you seen data brokers collect
1673 and market data on people struggling with addiction?

1674 And how has that data been used by companies to
1675 capitalize on these given addictions?

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1676 *Mr. Sherman. As mentioned, some of the health data
1677 that is out there could include things like drug addictions.
1678 You can also go buy from data brokers data on gambling
1679 addicts, or data on people who -- and I am no medical expert
1680 or anything, but might not be addicts per se, but go to the
1681 casino a lot, for instance. So that stuff is out there for
1682 purchase.

1683 *Mr. Tonko. Yes. Well, we heard from some individuals
1684 when we did a roundtable discussion in my district on this --
1685 the gambling addiction. And, of course, people who were in,
1686 for example, 30 years recovery from gambling were targeted
1687 for that sports gambling, as were, however, those who were
1688 10, 15 years in recovery from illicit drug addiction. So it
1689 is just amazing to me that they can target these vulnerable
1690 populations for the purpose of financial benefit.

1691 Mr. Erwin, what should online platforms be doing to
1692 ensure that users' browsing history isn't exploited by data
1693 brokers and advertisers to fuel addiction?

1694 *Mr. Erwin. Yes, I mean, it is a remarkable example of
1695 a much broader problem, which is, again, like the more you
1696 know about something, you know their vulnerabilities, it

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1697 becomes easy to exploit those vulnerabilities to financial
1698 gain.

1699 One of the major things we have advocated for is
1700 disclosure of what we call bulk advertising libraries, the
1701 basic idea being, especially for the major platforms like
1702 Google and Facebook, you know, all of the ads that are
1703 surfaced there should be available for the rest of us to
1704 inspect, to do analysis on, and to figure out if this is
1705 happening and people are being harmed. We should have the
1706 means to identify that harm and do something about it.

1707 But because all of this content right now is so
1708 targeted, it is also invisible to the rest of us who aren't
1709 getting, for example, gambling ads. I am not going to see a
1710 gambling ad, and many of you might not. That harm is only
1711 happening to that specific set of individuals, and they are
1712 not even aware it is occurring. And so those are the types
1713 of things that we would like to see, as well, bulk ad
1714 libraries being a good example of the type of transparency
1715 that is necessary to get ahead of the types of harms that you
1716 are identifying.

1717 *Mr. Tonko. Interesting. Any other thoughts on that

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1718 from -- Ms. Moy?

1719 *Ms. Moy. Yes, sure. I think I would just add that
1720 thinking about the vulnerabilities and the way that messages
1721 can be targeted to folks -- addiction is a stark example.
1722 But similarly, folks who are financially struggling can be
1723 targeted for predatory products.

1724 Similarly, folks who are vulnerable to certain types of
1725 messages could be targeted, micro-targeted with certain
1726 political messages, could be targeted with any kind of
1727 messaging that someone wants to deliver to sway a group of
1728 people. And that is very concerning, as well, as a possible
1729 threat to democracy.

1730 *Mr. Tonko. Well, it is kind of indicative of how
1731 difficult these situations become for people who are
1732 struggling and are in recovery. And to know that they were
1733 preyed upon by outside groups because of their past
1734 experience is kind of a cruel approach, really. So whatever
1735 we can do to fix that is certainly something that we should
1736 pursue.

1737 Big Tech's preying on vulnerable populations, including
1738 people with addiction and mental health concerns, is deeply

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1739 troubling, especially at a time when we need to be lifting
1740 up, not exploiting those who struggle in America with any
1741 given addiction. So I thank you for drawing attention to
1742 these issues.

1743 And with that, Mr. Chair, I yield back.

1744 *Mr. Griffith. The gentleman yields back, and I now
1745 recognize the vice chair of the committee, Mrs. Lesko, for
1746 her five minutes of questioning.

1747 *Mrs. Lesko. Thank you, Mr. Chair.

1748 Mr. Sherman, have foreign governments obtained data on
1749 American military veterans?

1750 *Mr. Sherman. I don't know. I can't say decisively one
1751 way or the other. I think the question is about risk, right?
1752 And risk always is a matter of possibility. And if this much
1753 data is this available, and we have seen brokers sell it in
1754 other cases where it is harmful, there is a real risk here.

1755 *Mrs. Lesko. Thank you.

1756 Mr. Sherman, do data brokers advertise to prospective
1757 clients that they have personal information on U.S. military
1758 personnel?

1759 *Mr. Sherman. Yes.

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1760 *Mrs. Lesko. And what kind of information about U.S.
1761 military personnel do they advertise?

1762 *Mr. Sherman. You can essentially purchase anything we
1763 have mentioned related to members of the military. That
1764 could be health data, that could be political data, that
1765 could be data on children in the home, that could be marital
1766 status, location data, even.

1767 *Mrs. Lesko. Thank you.

1768 To any of you, we have passed out of the House last
1769 Congress a data privacy legislation. We have heard from some
1770 business sectors, including small business groups, that they
1771 are worried that there will be unintended consequences, that
1772 they will lose business, and so on and so forth. Do you have
1773 any recommendations, or do you have any concerns about that,
1774 or have recommendations on how we can structure the data
1775 privacy legislation?

1776 *Ms. Moy. I mean, I think that size thresholds can be
1777 helpful. However, I also think that there are good reasons
1778 to still place obligations on even small businesses to
1779 appropriately protect individuals' information. And
1780 Cambridge Analytica was a very small entity, and was able to

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1781 do a tremendous amount of harm. So unfortunately, it is an
1782 area that just needs responsibility.

1783 *Mr. Erwin. Yes, I agree with all that. I would just
1784 add, you know, it is important to keep in mind, like, the
1785 Internet is a remarkably innovative place with low barriers
1786 to entry, and that will continue to be the case once Federal
1787 privacy legislation comes into existence. It will remain an
1788 innovative, good place for businesses to go and build their
1789 business.

1790 And we have, I think, at Mozilla a huge amount of
1791 respect for the innovative capacity of the Internet. And you
1792 can take a big hammer to the Internet and it is going to keep
1793 going. So I think those arguments are a little bit
1794 overstated, frankly. And like I said, I have a large amount
1795 of confidence that it will remain an innovative place for
1796 businesses to engage.

1797 *Mrs. Lesko. Good, okay.

1798 Mr. Sherman, I like your idea to ban sale of location
1799 and health data at a minimum, and also sell -- and ban
1800 selling data to foreign entities. I think those are -- and I
1801 may be wrong, but it seems like a more direct way just to

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1802 protect very sensitive of data.

1803 I do have -- since I have a minute and 40 seconds left,
1804 I have a question for you, if you know the answer. So, you
1805 know, when you use Uber, as most of us do in Washington,
1806 D.C., you have to turn on the location data, right? And so
1807 do you know if Uber sells that data, the location data?

1808 *Mr. Sherman. I do not know that. I will say this is a
1809 challenge with tackling this issue is lots of apps don't
1810 really share data. They just want to keep it to themselves
1811 and use it for, as you said, business purposes for what they
1812 need it for. Others share it all over the place, and
1813 sometimes it is hard to tell and get more transparency into
1814 that ecosystem without regulatory levers to crack it open.

1815 *Mrs. Lesko. Yes, I mean, I often get these apps that
1816 you -- it might pop up and say, "Do you" -- "This will share
1817 data and have access to your camera, and your files," and
1818 blah, blah, blah, do you want to do it?

1819 And I am like, well, if I am going to be able to use the
1820 app, I kind of have to do it, right? And so that is the
1821 problem, correct?

1822 *Ms. Moy. Yes. I mean, that is definitely -- that is

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1823 one of the problems with brokers claiming that they have
1824 consent for some of the information that they have is that,
1825 as a practical matter, folks can't do that.

1826 I would also just add about the location data point
1827 specifically. In the example that the chairman gave about a
1828 bird watching app, if that app is advertising-driven, then
1829 even if the app developer itself is not selling location
1830 data, if the app is sharing location data with an advertising
1831 entity that is also present on the app, then that entity
1832 could be sharing location information. So there are multiple
1833 ways that location information could go from your phone
1834 through an app to another entity.

1835 *Mrs. Lesko. Thank you, and I yield back.

1836 *Mr. Griffith. The gentlelady yields back. I now
1837 recognize the gentleman from California, Dr. Ruiz.

1838 *Mr. Ruiz. Thank you.

1839 Data brokers have been collecting data on consumers from
1840 apps and public records for many years, with real
1841 implications for Americans, particularly for historically
1842 disadvantaged groups. We know that brokers routinely compile
1843 and sell countless segmented lists of consumers based on

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1844 characteristics like income level, race, ethnicity, often
1845 without consumers even realizing it.

1846 But that is not all. Brokers have callously lumped
1847 consumers of color into categories, and then they sell those
1848 lists for a profit. One broker, for example, created and
1849 sold a list of consumers that it titled, "Ethnic Second City
1850 Strugglers."

1851 Mr. Sherman, can you explain why data brokers are
1852 interested in collecting data on race and ethnicity?

1853 *Mr. Sherman. They collect it because they can make
1854 money from selling it. And as you said, even if it is
1855 something very sensitive like targeting historically
1856 disenfranchised communities, economically vulnerable people,
1857 there probably is a company out there interested in marketing
1858 to those people, or maybe a scammer interested in targeting
1859 those people that is going to buy that data package.

1860 *Mr. Ruiz. So data brokers also hold vast quantities of
1861 information that can be used to exploit vulnerable
1862 populations and discriminate against protected groups.
1863 Brokers have used their vast collection of data to insert
1864 themselves into potentially life-changing decisions such as

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1865 Americans' housing, credit, and employment.

1866 Mr. Sherman, can you explain how data on racial and
1867 ethnic minorities could be used to discriminate against
1868 vulnerable communities?

1869 *Mr. Sherman. There are many ways. As mentioned, there
1870 are, essentially, no ways for consumers to know that this is
1871 going on, and so there is no opportunity to potentially
1872 correct information that could be wrong. And so situations
1873 already laden with bias could have incorrect information
1874 further entered, all the way to we know that health insurance
1875 companies, for example, will buy information on consumers,
1876 including things like race, income, education level -- and
1877 yet again, another system with many, many gaps in access and
1878 quality of care, and it is hard to know what they are doing
1879 with it.

1880 *Mr. Ruiz. Okay. Professor Moy, how have you seen
1881 brokers capitalize on the lack of meaningful regulation by
1882 using data on Black and Brown Americans in a discriminatory
1883 way, particularly in areas such as housing, employment, and
1884 service eligibility?

1885 *Ms. Moy. Yes, so I think -- so the folks at the

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1886 organization Upturn have done a lot of really useful work on
1887 this. And one of the things that they have pointed out is
1888 that some data brokers collect information about things like
1889 eviction records, and then might roll that into scores that
1890 then are relied upon by, for example, landlords to make
1891 housing decisions.

1892 Now, this makes a lot of -- this makes intuitive sense,
1893 but the fact of the matter is that in certain areas, more
1894 economically depressed areas, landlords might be much more
1895 likely to move directly to eviction proceedings when payments
1896 are -- when rent payments are late than in other areas. So
1897 as a result, the historical data is biased against people of
1898 color in economically disadvantaged areas. And when those
1899 scores are then relied upon -- provided by data brokers to
1900 make decisions, then unbeknownst to the landlords they might
1901 actually be making decisions in a way that is discriminatory.

1902 *Mr. Ruiz. Mr. Erwin, so you have commented before on
1903 the use of sophisticated algorithms that can use personal
1904 data to discriminate against people based on race or gender.
1905 Could you speak a little more about what you have observed in
1906 terms of discriminatory data use, and what we should be aware

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1907 of as we try to address these issues here in Congress?

1908 *Mr. Erwin. Yes. So the canonical example of this is
1909 just basic targeting. "Targeting" is the term that we use
1910 for any advertisement. In this case, it is targeting towards
1911 particular demographics of housing and jobs, a practice that
1912 historically we would have said this just looks like
1913 redlining, it is illegal. But in an Internet context, it is
1914 easy to do and opaque to the rest of us. And it means that
1915 some demographics are going to see particular jobs or
1916 particular ads for houses, and other demographics are not.
1917 And that is a big problem.

1918 *Mr. Ruiz. Well, thank you to our witnesses for
1919 shedding light on this critical privacy issue, which has deep
1920 implications for the civil rights of vulnerable communities
1921 in our nation.

1922 I yield back.

1923 *Mr. Griffith. I thank the gentleman for yielding back,
1924 and now recognize the gentleman from North Dakota, Mr.
1925 Armstrong, for five minutes of questioning.

1926 *Mr. Armstrong. Thank you, Mr. Chairman, and I wish I
1927 had an hour.

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1928 We are far into this hearing, and I agree with the
1929 privacy concerns at this -- on these levels of everything.
1930 But I want to talk about the Fourth Amendment, because this
1931 is one of the places where I think we don't spend nearly
1932 enough time talking about it, and the Fourth Amendment has
1933 withstood listening devices, telephoto lenses, satellites,
1934 drones, location trackers. Currently, you know, Carpenter
1935 redefined third-party carrier. There is geolocation warrant
1936 cases going through the system. Side note: I don't know how
1937 a geofence warrant is legal -- constitutional, anyway. It is
1938 a general warrant, not a specific warrant, but that is a
1939 longer question. Facial recognition.

1940 But we don't talk -- we don't have a long-enough
1941 conversation about what this means with data brokers. And we
1942 have seen it. We have seen it in our hearings. And it is
1943 not always DoJ, right? It is CDC, IRS. We have had people
1944 on election integrity talk about backdoors into voting
1945 machines. Even the SECURE Act. And when we are talking
1946 about TikTok, there is, in my personal opinion, too much
1947 potential government intervention into those things. And it
1948 can be things as specific and dealing with all of those

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1949 different issues that exist, or it can be something as
1950 innocuous as when you are using energy in your house, right?

1951 It turns out there is a really good public safety
1952 benefit from knowing where everybody is, what they are doing,
1953 and who they are at any given point in time in any community
1954 across the country. And it is not just Federal law
1955 enforcement, it is state law enforcement and all of those
1956 different issues.

1957 But, Mr. Sherman, in your testimony you advocate for
1958 strictly controlling the sale of data to governments, which
1959 includes state, local, and Federal law enforcement, right?

1960 *Mr. Sherman. The reference in my testimony to
1961 government sale was vis a vis foreign governments. But I
1962 agree it is an important question, right?

1963 *Mr. Armstrong. Well, I agree with foreign governments,
1964 too. I just don't want the U.S. Government to be able to
1965 purchase it on the third party if it would require a warrant,
1966 either.

1967 *Mr. Sherman. No, no, I agree. I fully agree with
1968 that. I think, as you said, we have had, you know, years of
1969 conversations about how do we properly put legal evidence

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1970 barriers and other things in place to make sure law
1971 enforcement is not overstepping, is violating Americans'
1972 freedoms.

1973 The fact that any law enforcement agency can end-run
1974 around that by buying whatever they want from a data broker
1975 with no warrant, I think, is a huge problem.

1976 *Mr. Armstrong. Well, and the response back to us would
1977 be if I -- if Kelly Armstrong, a Member -- just a guy from
1978 North Dakota can buy this information on the civilian
1979 marketplace, why shouldn't law enforcement be able to buy it?
1980 And that is a -- I mean, I disagree with that response, but
1981 it is truly a valid response.

1982 *Mr. Sherman. I would say neither law enforcement
1983 should be able to buy it without a warrant, nor the scammer
1984 running around targeting someone. And so I think that is a
1985 sort of circular argument that gets passed.

1986 As you said, the question of government overreach, the
1987 question of what is the oversight of that level of
1988 surveillance, and the answer is there currently isn't any.

1989 *Mr. Armstrong. Well, and I agree with that. I mean,
1990 and anything that would require a warrant on direct source,

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1991 being able to circumvent that from third party is something
1992 we should be very -- I mean, and we know this.

1993 Various law enforcement groups have expressed concern
1994 about the ADPPA's effect on criminal investigations. And in
1995 September of 2022 they sent us a letter, and it says, "This
1996 legislation would also make common investigative tools
1997 unavailable or extremely limited. The ADPPA would likely
1998 complicate the private sector's ability to continue its
1999 ongoing efforts to cooperate and share voluntarily, share
2000 certain information with law enforcement.'"

2001 Law enforcement claims that data purchased from data
2002 brokers largely consists of publicly available information,
2003 meaning data brokers merely aggregate this data for law
2004 enforcement in a more efficient manner. Ms. Moy, do you
2005 agree with that statement?

2006 *Ms. Moy. So I will just point out that, with both
2007 telephones and banking, we -- the Fourth Amendment -- the
2008 Supreme Court found that this information was not protected,
2009 and, in fact, that is what spurred Congress to act, right?

2010 I mean, like, that was the situation with United States
2011 v. Miller, and that is why Congress passed the Right to

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2012 Financial Privacy Act. You know, so I think that certainly
2013 law enforcement has grown to rely on some of these methods,
2014 just as law enforcement during prohibition had grown to rely
2015 on wiretaps. And that will be a change. But it needs to
2016 happen. We need these fundamental --

2017 *Mr. Armstrong. Well, and I think the courts have
2018 already shown -- I mean, I think this really is the next step
2019 in the U.S. v Carpenter third-party carrier, right?

2020 I mean, the courts were very willing to change how they
2021 viewed "third-party carrier" in the digital age. I mean,
2022 that --

2023 *Ms. Moy. Absolutely.

2024 *Mr. Armstrong. That ruling was limited to persistent
2025 tracking and geolocation data through cell site -- or cell
2026 site information, but I think the principle is the same.
2027 And --

2028 *Ms. Moy. Absolutely.

2029 *Mr. Armstrong. So, I mean, there has been a massive
2030 expansion of -- and the other answer is that I think we don't
2031 -- we still talk about the data collection. We have AI,
2032 ChatGPT, all of these different things. The amount of

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2033 information they can analyze in real time is the second
2034 conversation that we need to have about this, because it is a
2035 truly scary -- it is scary on the civilian market, and it is
2036 very scary when government is doing it, as well.

2037 *Ms. Moy. Yes, and if I can just respond to that very
2038 briefly, because I think this is a response also to what Mr.
2039 Duncan was pointing out, yes, these analytical tools render
2040 the factual context fundamentally different. You know, maybe
2041 having a list of addresses on paper at one time was something
2042 that didn't give people much cause for concern.

2043 Now those lists of addresses, historical address
2044 information, can be mined to learn information about people's
2045 relationships and their, you know, their religion and their
2046 habits. And the same with location information. It is very
2047 different with the analytical tools we have now and in the
2048 future.

2049 *Mr. Armstrong. Yes, and that is before you get into
2050 profiling and all of these other things that are --
2051 traditional things would have real civil liberty protections.

2052 I am sorry, Mr. Chairman, I yield back.

2053 *Mr. Griffith. I know you are passionate about it, and

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2054 I appreciate it, but we have got to move on.

2055 I now recognize Mrs. Trahan of Massachusetts for her
2056 five minutes.

2057 *Mrs. Trahan. Thank you, Chairman Griffith, Ranking
2058 Member Castro for -- Castor, excuse me -- for allowing me to
2059 waive on to this hearing.

2060 You know, over a year ago I introduced the DELETE Act
2061 with Senators Cassidy and Ossoff. This bipartisan
2062 legislation would require data brokers to register with the
2063 FTC and delete all the data related to a consumer at the
2064 consumer's request.

2065 Now I am glad that a similar provision was rolled into
2066 ADPPA. That is a great sign that both parties are fed up
2067 with the lack of control consumers have over their data that
2068 is being collected and sold by brokers. But without Congress
2069 requiring transparency, the best way that I have found to
2070 learn what data brokers are up to is on AWS. I mean,
2071 literally, on the Amazon Web Services data exchange there is
2072 thousands of data sets with personal information under
2073 categories like health data, financial data, automotive data,
2074 and all are available for sale.

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2075 Now, a lot of these data sets include loan balances and
2076 clinical trial participation. Some of their descriptions say
2077 that they are anonymized. We know that that is not
2078 necessarily true. Mr. Erwin and Mr. Sherman, you discussed
2079 in your testimonies the ways that data brokers use different
2080 persistent identifiers to connect data to an individual.

2081 So Mr. Sherman, is data that contains any persistent
2082 identifier truly anonymized?

2083 *Mr. Sherman. Absolutely not. And I think this is the
2084 really key point, is that are there statistical privacy
2085 protecting techniques that are really important? Yes. But
2086 exactly to your point, when data brokers use the word
2087 "anonymized," it is a marketing term. It is not a technical
2088 term. And they use that to suggest that taking a name out of
2089 a data set somehow prevents it from being linked back to a
2090 person. And that is just not true. There is decades of
2091 computer science research showing the complete opposite.

2092 And in fact, I would add that part of the whole business
2093 model of data brokers is aggregating and targeting people.
2094 The notion that they would not be able to do that or would
2095 not want to do that is just ridiculous.

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2096 *Mrs. Trahan. So that is exactly right. I mean, to
2097 follow up, would it not be a drafting mistake to treat
2098 personal data that is linked or can be linked to a persistent
2099 identifier as anonymized data?

2100 I mean, if Congress passed such language, how would a
2101 data broker take advantage of that situation?

2102 *Mr. Sherman. A broker could remove something
2103 superficially from data like a name, and perhaps keep
2104 something else in there that they can combine with other data
2105 to identify that person. So not violating the law, but
2106 rendering the protection effectively ineffective.

2107 *Mrs. Trahan. Thank you. And that is exactly why we
2108 need to be so careful when we are crafting these laws, and
2109 why we have to ensure that ADPPA is as strong as it was in
2110 the last Congress, if not stronger.

2111 Now, when we talk about data brokers, we have to
2112 contextualize this in the real harms and dangers that their
2113 over-collection presents. When a user taps a pop-up and
2114 consents to the use of geolocation data, or when they drive
2115 their car and geolocation data is transmitted to the auto
2116 manufacturer, that should not be an invitation to an opaque

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2117 chain of advertisers, individuals, and law enforcement to
2118 invade their private lives, hunt them down and, as we have
2119 already seen from cases over the past year, prosecutors jail
2120 them for seeking reproductive care. Data brokers enable that
2121 process, and giving consumers back control over their privacy
2122 and the ability to opt out of data broker collection is how
2123 we can immediately stop it.

2124 But geolocation data is not a persistent identifier. It
2125 is a unique type of data that is over-collected, valuable to
2126 advertisers, and providers -- provides some of the most
2127 pervasive insights into our personal lives, as Congresswoman
2128 Lesko and others have raised today. So Dr. Moy, does the
2129 transfer, sale, and disclosure of geolocation data warrant
2130 additional scrutiny from Congress? And how could it be
2131 abused?

2132 *Ms. Moy. Absolutely. And just to tie this to your
2133 anonymization question, even when location data has been
2134 wiped of a person's name, you know, I mean, there are very
2135 few people who were present both at Georgetown Law School and
2136 here in the Rayburn building today. So if you had that
2137 information about 10 people, you would know that one of them

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2138 was me. And if you added in my home address, then -- and
2139 found a location point near there, then you would absolutely
2140 just be able to re-identify that information. So supposedly
2141 anonymous information is usually not pseudonymous, and can be
2142 linked back to an individual.

2143 I absolutely think that geolocation information should
2144 be protected with heightened protections. It can be used to
2145 learn not only about someone's specific whereabouts for the
2146 purpose of targeting them, but also sensitive information
2147 like where they worship, where their kids go to school, where
2148 they live and work, whose house they visit overnight, those
2149 types of things.

2150 *Mrs. Trahan. Well, thank you. I would just like to
2151 say that I am grateful for your work at my alma mater,
2152 Georgetown. They would find me, too, both of us. Georgetown
2153 has established itself as a leader in all things tech policy,
2154 and your expertise is a big reason why. So thank you for
2155 being here today.

2156 *Ms. Moy. Thank you.

2157 *Mrs. Trahan. I yield back.

2158 *Mr. Griffith. The gentlelady yields back. I now

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2159 recognize the gentleman from Alabama, Mr. Palmer, for his
2160 five minutes of questioning.

2161 *Mr. Palmer. Okay, I want to do this very quickly,
2162 because I have got a number of things I want to ask you.

2163 The Fourth Amendment was mentioned -- obviously, the
2164 right of people to be secure in their persons, houses,
2165 papers, and effects.

2166 The Supreme Court of the United States said that data
2167 brokers can be sued if they provide incorrect information.
2168 What I would like to know is can they be sued if they misuse
2169 accurate information, Professor Moy? And I mean like if they
2170 sold it to scammers, as has been mentioned.

2171 *Ms. Moy. So --

2172 *Mr. Palmer. Could you make it really quick, because --

2173 *Ms. Moy. They -- yes, they -- under the Federal Trade
2174 Commission section 5, in theory, yes, cases could be brought
2175 against --

2176 *Mr. Palmer. Could they be sued if individuals made it
2177 clear that they didn't want their information sold? Should
2178 that be a requirement on any transaction that says -- where
2179 you can say, "I do not want my information to be shared or

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2180 sold or transmitted to any other party''?

2181 *Ms. Moy. I believe so, yes.

2182 *Mr. Palmer. Should that be part of our legislation?

2183 *Ms. Moy. Yes, and I think the default should be don't
2184 share unless people agree in most cases.

2185 *Mr. Palmer. Right, yes. It should be a positive
2186 decision, not negative.

2187 Okay. The other thing is does the Fourth Amendment
2188 protections apply to sharing data with foreign governments?
2189 Because the Fourth Amendment protections that have been
2190 applied to data brokers has prohibited them from sharing
2191 information with the U.S. Government, although that is
2192 happening through certain Federal agencies.

2193 *Ms. Moy. Yes. I mean, so the Fourth Amendment
2194 potentially does not protect against the sale of information
2195 to the U.S. Government or to foreign entities, either.

2196 *Mr. Palmer. Okay. And that is another thing that
2197 needs to be in our legislation.

2198 The foreign use -- I am -- one of the things I am very
2199 concerned about is the foreign use of data that they are
2200 purchasing for a number of things. One is

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2201 counterintelligence, because they can use this in -- to
2202 inform themselves on counterintelligence operations, where
2203 they can target people they have identified as key
2204 individuals.

2205 We should not be allowing any of this information to be
2206 shared with, I think, any foreign entity, because you do not
2207 know whether or not it would be in the hands of adversarial -
2208 - whether they are adversarial nation states or actors, and
2209 then for propaganda purposes. And this is one of the things
2210 that concerns me right now is how so much misinformation is
2211 out there on social media, and they are targeting people
2212 that, you know, maybe that have conspiratorial leanings. And
2213 I think that this is becoming an issue, you know,
2214 micro-targeting election-type messages.

2215 The other thing I want to talk about is, you know, the
2216 European Union has the general data protection regulation.
2217 Has this been effective? And any one of you who know
2218 anything about this can -- has this been effective for
2219 protecting personal data for people in the EU?

2220 *Mr. Erwin. Yes. I mean there are a few things that
2221 GDPR did right.

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2222 *Mr. Palmer. Make it really quick, because --

2223 *Mr. Erwin. It has not been as effective as --

2224 *Mr. Palmer. That is what --

2225 *Mr. Erwin. -- would have liked.

2226 *Mr. Palmer. -- find out. Thank you.

2227 And what about California's Consumer Privacy Act?

2228 Because it does open up opportunities for civil litigation, I
2229 believe.

2230 *Ms. Moy. I think that it is making an impact.

2231 Certainly, the privacy officer is making an impact, as is the
2232 rulemaking authority that is given to it.

2233 *Mr. Palmer. Okay. I would like your -- and maybe -- I
2234 had to step out to go speak to a group -- I would like for
2235 you to provide some information in terms of how we can work
2236 to get information that is already out there removed.

2237 And again, my concern is the privacy protections that
2238 companies offer. But there are companies out there that will
2239 -- that you can pay to try to remove your information. But
2240 there are so many of these places where this information is,
2241 they could remove it from 500 and it would still be
2242 innumerable places where your information is still available,

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2243 and some -- whether they are legal or illegal.

2244 How would you recommend that we go about crafting a bill
2245 to allow people to, as definitively as possible, get their
2246 information removed?

2247 *Ms. Moy. So I do think that a lot of the information
2248 just shouldn't be out there in the first place, right? I
2249 mean, like, the fact that so many entities, hundreds,
2250 potentially thousands, may have some of the same data points,
2251 thousands of data points about each individual, that should
2252 not be the case. We should not have to opt out of those
2253 brokers having our information.

2254 But, you know, in the event that they do, it should be
2255 very, very simple for a person to opt out everywhere, or it
2256 should only be collected on an opt-in basis.

2257 *Mr. Palmer. I thank the chairman. I -- this is
2258 another example this week of a bipartisan hearing that I
2259 think has been very valuable, and I really appreciate the
2260 witnesses' time and your responses to allow me to get all
2261 these things in. So, Mr. Chairman, I yield back.

2262 *Mr. Griffith. The gentleman yields back, and I
2263 appreciate that, and now recognize the gentlelady from

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2264 Florida, Mrs. Cammack, for her five minutes.

2265 *Mrs. Cammack. Thank you, Mr. Chairman. Thank you to
2266 our witnesses for hanging in there with us. It is one of
2267 those crazy days where we are all in and out. So I
2268 appreciate you all.

2269 I may have missed some of this, so if this is
2270 repetitive, I apologize. But in your estimation -- and I am
2271 going to direct this to you, Mr. Erwin -- in your estimation,
2272 what percentage of Internet users are using Web browsers that
2273 are privacy invasive?

2274 *Mr. Erwin. Probably more than half the market. And by
2275 privacy invasive, I would take that to mean they don't have
2276 the baseline set of privacy protections --

2277 *Mrs. Cammack. Right.

2278 *Mr. Erwin. -- that protect them from cross-site
2279 tracking, cookie tracking, those type of protections.

2280 *Mrs. Cammack. Don't worry, I won't ask you to name
2281 your competitors. I think we can draw our own assumptions on
2282 that. But more than half, it is pretty terrifying.

2283 What kind of pushback have you and your company received
2284 from website advertisers or users as your company has

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2285 implemented tools that block cross-site tracking?

2286 For example, do they have a worse ad experience? Is the
2287 algorithm tweaked to downplay impressions?

2288 *Mr. Erwin. Yes, I think when we launched the initial
2289 version of our protections in 2019 we heard that users were
2290 not going to like it. And many what we call ad tech
2291 companies pushed back and essentially said the sky is going
2292 to fall. And, you know, our consumers generally are
2293 positive. This has not degraded their experience at all.
2294 Rather, they have a better experience in Firefox, because we
2295 are blocking this tracking.

2296 The feedback we have gotten from ad tech providers, from
2297 advertisers, is not as positive, which is something that we
2298 would expect. And, you know, sometimes it is a positive
2299 thing when we hear negative feedback back like that. So --

2300 *Mrs. Cammack. Did you guys take a hit in terms of
2301 revenue generation from advertising?

2302 *Mr. Erwin. We -- it probably negatively impacted our
2303 revenue, but not by a significant degree.

2304 *Mrs. Cammack. Okay. Thank you for that. And I may
2305 have missed it, but there may have been a conversation today

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2306 had about the possibility of a data brokerage that is in line
2307 with compensating users and consumers for their data with
2308 their consent to be -- to sell their data. I don't know if
2309 that has been discussed today, but I would love to get your
2310 feedback on how something like that might happen.

2311 If a consumer consented to having their data sold, how
2312 would we go about compensating them for doing that? I am not
2313 talking about a class action suit or anything, but a
2314 marketplace system where we could do that. You look very
2315 eager to answer that question, Mr. Sherman.

2316 *Mr. Sherman. I think the challenge with that here is
2317 that when we talk about data brokers, we are not talking
2318 about that first-party app or website necessarily you are
2319 giving it to to use the data for a business purpose. We are
2320 talking about that company selling it to third parties, we
2321 are talking about third parties consumers often don't know
2322 exist that are selling it for profit.

2323 And so often times -- most of the time, I would say --
2324 this is done with no consent whatsoever from the consumer.

2325 *Mrs. Cammack. Absolutely, right. And I think we all
2326 acknowledge that most of the data that is sold today, it is

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2327 done without their consent. I mean, there is that veil of
2328 you consent to the terms and services of this app, whatever,
2329 and therefore we do what we will with your data that we
2330 collect and sell.

2331 But shouldn't there be a way in which consumers can then
2332 earn a commission or something off of that, or something as
2333 simple as being notified when their data has been sold?

2334 *Mr. Sherman. I think consumers should be made aware of
2335 this practice. Again, I think, you know, companies will --
2336 an app or something will throw out these insanely long
2337 privacy policies that nobody actually reads, and then say
2338 that is consent.

2339 I still think we need to prohibit the sale of some kinds
2340 of data, but I agree with what you said, that those terms
2341 should be made easy to read. It should take a few minutes
2342 maybe to scan through and see what kinds of data is this app
2343 collecting, is it sharing it or selling it with any third
2344 parties. That way the consumer has that information.

2345 *Mrs. Cammack. Absolutely. And I want to yield the
2346 remainder of my time to my colleague from the great state of
2347 North Dakota. Thank you.

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2348 *Mr. Armstrong. I just have one more -- well, I have
2349 one minute, so I am going to be very quick.

2350 Section 101 of the ADPPA prohibits the collection,
2351 processing, or transfer of covered data to what is necessary
2352 and proportionate to provide the specific product or service
2353 requested by the individual or permissible purpose.
2354 "Permissible purpose" includes collecting, processing, or
2355 transferring data to prevent, detect, protect against, or
2356 respond to illegal activity, which is defined as a violation
2357 of a criminal law that can directly harm.

2358 And my question for you, Ms. Moy, is I like the idea of
2359 this, and I don't know if you can answer it in 25 -- 28
2360 seconds. Actually, I know you can't. But do we need to
2361 tighten this up a little better?

2362 *Ms. Moy. I do think that -- yes. I mean, I think that
2363 this carve-out is in a bunch of privacy laws, kind of like
2364 the idea that for the detection -- or for the detection of
2365 fraud, or for the investigation of crimes, that there is an
2366 exception there. And I think in general that those
2367 exceptions should be tightened up, yes.

2368 *Mr. Armstrong. Thank you.

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2369 *Mr. Griffith. The gentleman yields back to the
2370 gentlelady, and the gentlelady yields back to the chair.

2371 *Mrs. Cammack. That is right, I do.

2372 [Laughter.]

2373 *Mr. Griffith. And I don't see any additional members
2374 wishing to ask questions. Seeing there are no further
2375 members -- who have time they haven't already used.

2376 [Laughter.]

2377 *Mr. Griffith. Seeing there are no further members
2378 wishing to ask questions, I would like to thank our witnesses
2379 again for being here today.

2380 I will tell you I think this has been a very important
2381 hearing. I hope that C-SPAN will run it, so the public is
2382 more aware of what is going on, particularly if they run it
2383 in prime time, but you never know what they are going to pick
2384 and choose to run. It might be a month from now it will pop
2385 up.

2386 That being said, in pursuance to committee rules, I
2387 remind members that they have 10 business days to submit
2388 additional questions -- that would be you, Mr. Armstrong --
2389 for the record, and I ask that witnesses submit their

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2390 response within 10 business days upon receipt of the
2391 questions.

2392 Without objection, the committee is adjourned.

2393 [Whereupon, at 4:00 p.m., the subcommittee was
2394 adjourned.]